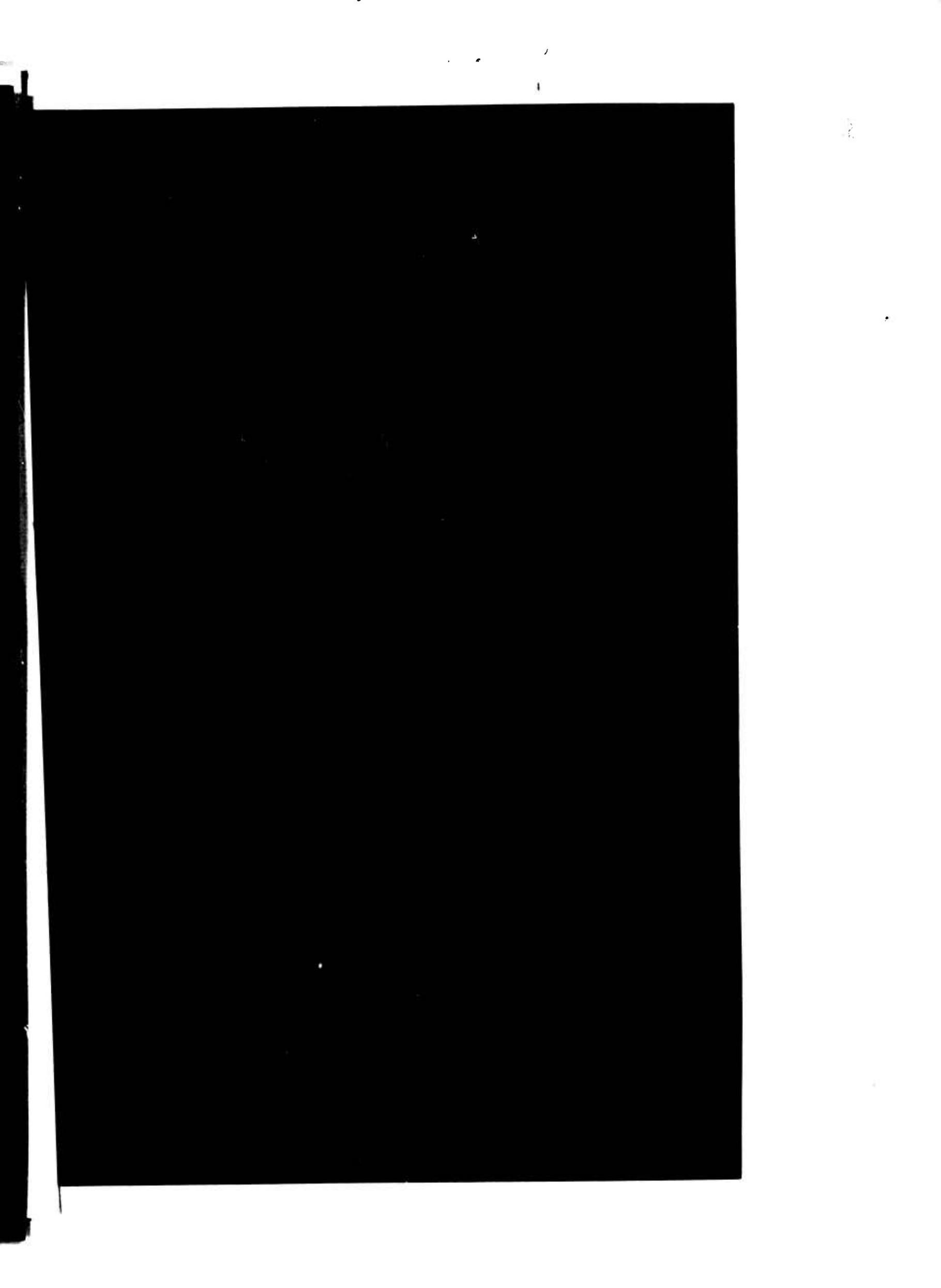


OAR
cumulative index of
RESEARCH RESULTS
1963

OFFICE of AEROSPACE RESEARCH
United States Air Force





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**OAR Cumulative Index of
RESEARCH RESULTS**

1963

OFFICE OF AEROSPACE RESEARCH

UNITED STATES AIR FORCE

WASHINGTON, D. C.

FOREWORD

The primary mission of the Office of Aerospace Research is to plan and manage the Air Force research program. This includes the areas of Physical Sciences, Environmental Sciences, Mathematical Sciences, Psychological and Social Sciences, and Biological and Medical Sciences. In addition, we carry out exploratory development for the Air Force Systems Command in the areas of Environment and Aerospace Environment. Finally, we conduct research in fields where we have special competence for the Air Force Systems Command and the Advanced Research Projects Agency, work on specific projects for the Defense Atomic Support Agency, and cooperate with the National Aeronautics and Space Administration on tasks of mutual interest.



We are aware of the urgent need to expedite the exchange of scientific and technical information within the DoD and between DoD elements and the scientific community. Personal contact has long been one of the best media for such interchange. In certain cases, this is all that is needed. But in other cases, in view of the rapidly increasing quantity of information, personal contact is not enough to meet the requirements for effective communication.

Recently, we published the OAR Cumulative Index of Research Results, 1959-1962 as a means for accelerating the interchange of scientific and technical information between scientist and scientist, and between the researcher and the user. We have received many favorable comments on it. We are also currently publishing the OAR Cumulative Index of Research Results, 1963. This first Quarterly Index for 1964 (which will be a recurring publication) continues the tradition of making available to all who can use them the results of OAR research efforts. We hope that you will find it just as useful.

A handwritten signature in cursive script that reads "Don R. Ostrander".

DON R. OSTRANDER
Major General, USAF
Commander
Office of Aerospace Research

INTRODUCTION

The OAR Cumulative Index of Research Results, 1963 is designed:

- to identify all technical reports produced and published by the various organizations within the Office of Aerospace Research during the calendar year 1963.
- to provide a record of the results of research conducted and sponsored by each OAR organization during this same period.
- to furnish a ready reference for the identification of technical reports produced by particular authors or contractors, or under certain contracts, grants or projects.

The OAR Cumulative Index is divided into several parts beginning with a bibliography of the results of both OAR-conducted and sponsored research published during 1963. This bibliography is organized into sections by monitoring organizations. Within each section, the technical reports are arranged alphanumerically according to the report number assigned by each organization. Each bibliographic entry includes the following information (if available and applicable): the report number; corporate author; title and date; the security classification (if classified); the name(s) of the author(s); the Defense Documentation Center (DDC) accession number; the instrument (contract or grant) number; and the project and task numbers. Several indexes follow the bibliography and are keyed to it by the report numbers. These are: an author index; a corporate-author index; an instrument-number index; a project/task-number index; and a KWIC (Keyword-in-Context) index of the report titles.

Every effort has been made to include all research results published during 1963 (both in-house and contractor technical reports and journal articles) as well as other research products which are not technical reports per se but have resulted wholly or in part from OAR support (translations, monographs, symposia proceedings, state-of-the-art studies, reviews and textbooks). In some sections, there are omissions in the numerically listed report numbers. This is due to the nonutilization of numbers preassigned to a division or laboratory. Occasionally, also, a particular report was assigned a number but, for one reason or another, the report was not published. Every effort has been made, however, to include all reports published during this reporting period.

Any questions concerning this publication, or suggestions for improving subsequent indexes of research results, should be directed to the Office of Scientific and Technical Information (RRYC), Hq Office of Aerospace Research, USAF, 4th and Independence, S.W., Washington, D.C. 20333.

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HIRSCHFELDER J O INSTRUMENT AF 33C616>07311
PROJ/TASK 7013 01

ARL 63 030
AF OAR AFROSPACE RESEARCH LABS
SOLID STATE PHYSICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
ASTRONOMICAL PHOTOGRAPHIC RECORDING WITH AND WITHOUT
ELECTRONIC LIGHT INTENSIFICATION, NOV 1962.
OHIO J SCI 62 NOV 1962
RV GREL R K M DDC NUMBER 401153
DEVOL L INSTRUMENT AF 33C616>07311
PROJ/TASK 7085 03

ARL 63 031
AF OAR AFROSPACE RESEARCH LABS
SOLID STATE PHYSICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
A SUPERFAST RECORDER FOR DAY AND NIGHT OBSERVATIONS OF
SPACE VEHICLES USING A LIGHT AMPLIFIER CAPABLE OF
SUPPRESSING THE BACKGROUND AND DISCRIMINATING MOVING
OBJECTS, JAN 1963.
RV GREL R K M DDC NUMBER 401154
INSTRUMENT AF 33C616>07311
PROJ/TASK 7085 03

ARL 63 032
TECHNISCHE HOCHSCHULE WIEN AUSTRIA
POLAROGRAPHIC STUDIES IN CERTAIN NONAQUEOUS SYSTEMS, JAN
1963.
RV GUTMANN V DDC NUMBER 200888
INSTRUMENT AF 61C052>00487
PROJ/TASK 7023 02

ARL 63 033
MIDWEST RESEARCH INST KANSAS CITY MO
ON THE APPROXIMATE SOLUTION OF INTEGRAL EQUATIONS OF THE
CONVOLUTION TYPE, FEB 1963.
RV LUK V L DDC NUMBER 403426
INSTRUMENT AF 33C616>07062
PROJ/TASK 7071 02

ARL 63 034
AF OAR AFROSPACE RESEARCH LABS METALLURGY AND CERAMICS
RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
THE RELATIVE THERMODYNAMIC PROPERTIES OF NICKEL-PALLADIUM
SOLID SOLUTIONS, FEB 1963.
RV RIDWELL L R DDC NUMBER 404620
SPEISER R PROJ/TASK 7021 03

ARL 63 035
WARNER AND MASSEY CO FLUSHING N Y
INFRARED SPECTRA AND TEMPERATURES OF PLASMA JETS, FEB 1963.
RV RYAN L R DDC NUMBER 404867
NARROW M J INSTRUMENT AF 33C616>00047
TOURIN R F PROJ/TASK 7063 01

ARL 63 036
WISCONSIN II MADISON
QUANTUM MECHANICAL SOLUTIONS OBTAINED BY TRUNCATED REACTION
OPERATORS, FEB 1963.
RV WATH W J DDC NUMBER 412477
ROCKINS S O INSTRUMENT AF 33C616>07311
SANDO E W PROJ/TASK 7013 01
HIRSCHFELDER J O

ARL 63 037
LITTLE ARTHUR D INC CAMBRIDGE MASS
RADIATION CHARACTERISTICS OF METAL VAPORS, FEB 1963.
RV WCHSLER A F DDC NUMBER 409582
GLASER R F INSTRUMENT AF 33C616>07074
PROJ/TASK 7063 01

ARL 63 038
AF OAR AFROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
RAMP-GAS SENSITIZED RADIOLYSIS OF PROPANE,
J CHEM PHYS 37 8 1694-1699 15 OCT 1962
RV PITRELL J M DDC NUMBER 401152
TIFFMAN T O PROJ/TASK 7023 03

ARL 63 039
AF OAR AFROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
THE SELECTIVE SENSITIZATION OF ACETYL TRIPLET STATE IN
THE VAPOR PHASE,
J AM CHEM SOC 84 4041-4044 1962
RV DUBOIS J T DDC NUMBER 239708
PROJ/TASK 7013 03

ARL 63 040
AF OAR AFROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
TEMPERATURE PROGRAMMING IN GAS CHROMATOGRAPHY,
ANAL CHEM 34 13 1838-1839 DEC 1962
RV TIFFMAN T O DDC NUMBER 401150
PITRELL J M PROJ/TASK 7023 03

ARL 63 041
AF OAR AFROSPACE RESEARCH LABS GENERAL PHYSICS LAB
WRIGHT-PATTERSON AFB OHIO
LORENTZ-INVARIANT EQUATIONS OF MOTION OF POINT MASSSES IN
THE GENERAL THEORY OF RELATIVITY,
PHYS REV 128 1 398-414 1 OCT 1962
RV GOLDREICH J M DDC NUMBER 401151
MAYAS P PROJ/TASK 7114 01

ARL 63 042
AF OAR AFROSPACE RESEARCH LABS HYPERSONICS RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
THE CONDENSATION OF AIR IN A HYPERSONIC WIND TUNNEL,
J AFROSPACE SCI 1963
RV DAIM F L DDC NUMBER 403077
PROJ/TASK 7066 01

ARL 63 043
WISCONSIN II MADISON
A STUDY OF ONE AND TWO ELECTRON CENTRAL FORCE PROBLEMS
USING THE HYPERVIRIAL THEOREM, FEB 1963.
RV GORDON S J DDC NUMBER 407402
INSTRUMENT AF 33C616>07311
PROJ/TASK 7013 01

ARL 63 044
WISCONSIN II MADISON
SOLUTIONS FOR COMPLEX SYSTEMS OF CHEMICAL REACTION OF
KINETICS - PART III, A REVERSIBLE UNIMOLECULAR REACTION
FOLLOWED BY AN IRREVERSIBLE BIMOLECULAR REACTION, JUL 1963
RV KIRA O W DDC NUMBER 417544
KONVALIN O D INSTRUMENT AF 33C616>07311
PROJ/TASK 7013 01

ARL 63 045
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
A VERSATILE APPARATUS FOR THE STUDY OF REFRACTIVE INDEX
FIELDS IN GASES, FEB 1963.
RV WINNBERG F J DDC NUMBER 411974
INSTRUMENT AF 33C616>07022
PROJ/TASK 7013 04

ARL 63 046
COPENHAGEN U DENMARK
AN IMPULSIVE COLLISION MODEL FOR THE DISSOCIATION OF
DIATOMIC MOLECULES, DEC 1962.
RV RAK T A DDC NUMBER 207987
LEFROWITZ J L INSTRUMENT AF 61C052>00133
PROJ/TASK 7013 01

ARL 63 047
CORNELL AERONAUTICAL LAB INC BUFFALO N Y
AN EVAPORATION FILM CALORIMETRIC ENTHALPY PROBE, FEB 1963.
RV HAAS F C DDC NUMBER 404419
INSTRUMENT AF 33C616>07774
PROJ/TASK 7063 03

ARL 63 048
AF OAR AFROSPACE RESEARCH LABS
SOLID STATE PHYSICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
AUTOMATIC PASSIVE OPTICAL RANGE FINDER, FEB 1963.
RV BARRICKER W DDC NUMBER 428526
WILSTERS M PROJ/TASK 7072

ARL 63 049
AF OAR AFROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
FLUORESCENCE EFFICIENCY OF CYCLOPENTANONE VAPOR AND ITS
RELATION TO PHOTOLYSIS,
CAN J CHEM 1963
RV DUBOIS J T DDC NUMBER 401150
PROJ/TASK 7013 03

ARL 63 050
AF OAR AFROSPACE RESEARCH LABS PLASMA PHYSICS RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
LANGMUIR PROBE DERIVATIVES USING A DOUBLE-PROBE METHOD,
MAR 1963.
RV GAREFADEN A DDC NUMBER 400223
DAIMER R C PROJ/TASK 7073 03

ARL 63 051
SOUTHAMPTON U ENGLAND
RESEARCH IN HYPERSONIC AEROTHERMODYNAMICS, OCT 1962.
RV ADLTON J P DDC NUMBER 401150
RAY E M C INSTRUMENT AF 61C052>00250
FACT B A PROJ/TASK 7066 01
TANNER D I

ARL 63 052
OSLO U NORWAY
ALPHA-GAMMA FOR VEGETIC 1000 AND ALVAC III-F,
PHYS MATH NORWAY 1963
RV MINTHAL J DDC NUMBER 403047
INSTRUMENT AF 61C052>00134
PROJ/TASK 7112 02

ARL 63 053
AF OAR AFROSPACE RESEARCH LABS METALLURGY AND CERAMICS
RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
THE OCCURRENCE AND PARTITIONING OF IMPURITY PHASES,
TRANS MET SOC AIME 227 145-150 FEB 1963
RV HOOD R F DDC NUMBER 404420
GABRETTI W J INSTRUMENT AF 33C616>07311
ADAIR A M PROJ/TASK 7026 02

- ARL 69 066
MICHIGAN U ANN ARBOR MICH
ENERGY ADDITION TO A FLOWING GAS OF HIGH-FREQUENCY-
SAFE, RECTIFIED-OR-AC-DRIVEN DISCHARGES, MAR 1963.
BY EARLY H F
MARTIN F J
DDC NUMBER 415701
INSTRUMENT AF 33C616507263
PROJ/TASK 7116 02
- ARL 69 068
UPPSALA U SWEDEN
MAGNETIC FIELD AND TEMPERATURE VARIATIONS IN A TOROIDAL
DINCH DISCHARGE,
MICH INSTR METHOD 17 231-247 1962
BY SVENNESTEDT E
BERGLUND K
WESTERLIND K
DDC NUMBER 403062
INSTRUMENT AF 60AR -0109-62
PROJ/TASK 7073 01
- ARL 69 069
LONDON U KINGS COLL ENGLAND
ASYMPTOTIC PROPERTIES OF FIELDS AND SPACE TIMES, DEC 1962.
BY DENROSE B
INSTRUMENT AF 61C052500647
PROJ/TASK 7116 01
- ARL 69 070
LONDON U KINGS COLL ENGLAND
THE LIGHT-CONE AT INFINITY, DEC 1962.
BY DENROSE B
INSTRUMENT AF 61C052500647
PROJ/TASK 7116 01
- ARL 69 071
AF OAR AEROSPACE RESEARCH LABS METALLURGY AND CERAMICS
RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
FREE ENERGY OF FORMATION OF MOLYBDENUM DIOXIDE, APR 1963.
TRANS MET SOC AIME 227 191-199 FEB 1963
BY BAPP R A
DDC NUMBER 403045
PROJ/TASK 7021 01
- ARL 69 072
PRINCETON U N J
THE USE OF THE TRANSIENT WETTING WALL TECHNIQUE IN
MEASURING HEAT TRANSFER RATES IN HYPERSONIC SEPARATED FLOWS
MAY 1963.
BY NICOLL K M
DDC NUMBER 407529
INSTRUMENT AF 33C616507622
PROJ/TASK 7066 01
- ARL 69 073
PRINCETON U N J
AN EXPERIMENTAL INVESTIGATION OF LAMINAR HYPERSONIC CAVITY
FLOWS, PART I, PRESSURE MEASUREMENTS, MAY 1963.
BY NICOLL K M
DDC NUMBER 407527
INSTRUMENT AF 33C616507620
PROJ/TASK 7066 01
- ARL 69 074
PRINCETON U N J
AN EXPERIMENTAL INVESTIGATION OF LAMINAR HYPERSONIC CAVITY
FLOWS, PART II, HEAT TRANSFER AND RECOVERY FACTOR
MEASUREMENTS, JAN 1964.
BY NICOLL K M
DDC NUMBER 407510
INSTRUMENT AF 33C616507622
PROJ/TASK 7066 01
- ARL 69 075
PRINCETON U N J
AN EXPERIMENTAL INVESTIGATION OF THE SEPARATION OF A
HYPERSONIC BOUNDARY LAYER ON A FLAT PLATE, PART I, PRESSURE
DISTRIBUTION AND OPTICAL STUDIES AT MACH 11.7, MAY 1963.
BY SPANAM W J
VAK I F
DDC NUMBER 406702
INSTRUMENT AF 33C616507622
PROJ/TASK 7066 01
- ARL 69 076
POLYTECHNIC INST OF BROOKLYN BROOKLYN N Y
HIGH SPEED LOW DENSITY FLOW NEAR THE STAGNATION POINT OF A
BLUNT BODY, MAY 1963.
BY CHOW B
DDC NUMBER 412666
INSTRUMENT AF 33C616507661
PROJ/TASK 7066 01
- ARL 69 077
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
THEORETICAL INVESTIGATIONS IN SOLID STATE PHYSICS USING
DISPERSION RELATION TECHNIQUES, MAY 1963.
BY KAHN B
PEARSON C J
DDC NUMBER 407352
INSTRUMENT AF 33C616507781
PROJ/TASK 7485 03
- ARL 69 078
WISCONSIN U MADISON
TOXICATED REACTION OPERATORS AND THE HELIUM, MAY 1963.
BY MEATH W J
KENDO E M
GOSWAMI K O
HIRSCHFELDER J O
DDC NUMBER 407699
INSTRUMENT AF 33C657507911
PROJ/TASK 7013 01
- ARL 69 079
WISCONSIN U MADISON
THE HYPERVIRIAL THEOREM FOR COLLISIONS BETWEEN ELECTRONS
AND ATOMS, MAY 1963.
BY WELTBY M B
HIRSCHFELDER J O
DDC NUMBER 407607
INSTRUMENT AF 33C657507911
PROJ/TASK 7013 01
- ARL 69 080
WISCONSIN U MADISON
COMPARISON OF THE HARTREE-FOCK ORBITAL WITH THE FIRST
NATURAL COIN ORBITAL FOR TWO-ELECTRON SYSTEMS, MAY 1963.
BY NAZAROFF G V
HIRSCHFELDER J O
DDC NUMBER 407591
INSTRUMENT AF 33C657507911
PROJ/TASK 7013 01
- ARL 69 081
AF OAR AEROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
INHIBITION OF THE ARGON-SENSITIZED RADIOLYSIS OF PROPANE
BY HYDROGEN,
J CHEM PHYS 38 1 150-154 JAN 1963
BY FURFEL J H
TIFOWAN T O
DDC NUMBER 403039
PROJ/TASK 7023 03
- ARL 69 082
MICHIGAN U ANN ARBOR MICH
EFFECTS OF COOLING ON BOUNDARY-LAYER TRANSITION ON A
HEMISPHERE IN SIMULATED HYPERSONIC FLOW,
J AEROSPACE SCI 29 12 DEC 1962
BY DUNLAP R
KRETZ A M
DDC NUMBER 403040
INSTRUMENT AF 33C616508856
PROJ/TASK 7066 01
- ARL 69 083
QUEEN'S U BELFAST NORTHERN IRELAND
HYPERSONIC STUDY OF OSCILLATING LOW-PRESSURE DISCHARGES,
PROC INTERN CONF IONIZATION PHENOMENA GASES 8TH MUNICH 1961
BY GIBBARDEN A
GRAY F H
EMBLEY K G
DDC NUMBER 403041
INSTRUMENT AF 61C052500132
PROJ/TASK 7073 03
- ARL 69 084
YALE U NEW HAVEN CONN
NOTE ON THERMAL RADIATION,
ASTROPHYS J 137 1 JAN 1963
BY OSTER L
DDC NUMBER 407677
INSTRUMENT AF 33C657507271
PROJ/TASK 7073 01
- ARL 69 085
AF OAR AEROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
NATURE OF THE INTERACTION BETWEEN ELECTRONS AND WELL
DEFINED SURFACES - III, ULTRA-HIGH VACUUM SYSTEM AND
SAMPLE OUT-GASING, IV, GAS SOURCE FOR THE ULTRA-HIGH
VACUUM STUDY OF ADSORPTION OF KNOWN GAS LAYERS ON CLEAN
SURFACES, MAY 1963.
BY FERN F I
JACKSON A C
DDC NUMBER 407644
PROJ/TASK 7022 01

- 49L 63 081
DORRINGTON H N J
DEVELOPE AND HEAT TRANSFER MEASUREMENTS OVER A CIRCULAR
CYLINDER AT ANGLES OF ATTACK UP TO 15 AT MACH 11, MAY 1963,
BY WORTSMAN C C
DDC NUMBER 409149
INSTRUMENT AF 33C616307627
PROJ/TASK 7064 01
- 49L 63 082
AF OAD AIRSPACE RESEARCH LABS
FLUID DYNAMIC FACILITIES LAB WRIGHT-PATTERSON AFB OHIO
THE EFFECT OF ADJUSTERS ON THE MECHANISM OF DETONATION IN
PASTOUS SYSTEMS, MAY 1963,
BY WOLFSON D T
DDC NUMBER 414421
PROJ/TASK 7065 01
- 49L 63 083
MASSACHUSETTS INST OF TECH CAMBRIDGE
A ONE-DIMENSIONAL MODEL FOR COMPRESSIBLE FLOW IN THE
TRAVELING WAVE PUMP, MAY 1963,
BY COVERT F F
HALDEMAN C
DDC NUMBER 414864
INSTRUMENT AF 33C657307974
PROJ/TASK 7065 01
- 49L 63 084
MASSACHUSETTS INST OF TECH CAMBRIDGE
STUDIES ON ELECTRO-MAGNETIC HEATS OF ADDING HEAT AND KINETIC
ENERGY TO A GAS, MAY 1963,
BY COVERT F F
HALDEMAN C
COFFIN J R
ROSENBERG I
DDC NUMBER 414178
INSTRUMENT AF 33C657307974
PROJ/TASK 7065 01
- 49L 63 085
WAGONER AND CHAFFY CO ELIZABETH N J
MEASUREMENT OF TEMPERATURE IN GASEOUS DETONATIONS BY
MONOCHROMATIC RADIATION PYROMETRY, MAY 1963,
BY DENSTAK G J
TODDIN R H
DDC NUMBER 418747
INSTRUMENT AF 33C616308312
PROJ/TASK 7065 02
- 49L 63 086
TORONTO ONTARIO CANADA
HYPERVELOCITY OF LAUNCHERS, PART I, SIMPLE LAUNCHERS, MAY
1963,
BY CLARK T Y
DDC NUMBER 419112
INSTRUMENT AF 33C657307874
PROJ/TASK 7065 01
- 49L 63 087
SHEFFIELD IN ENGLAND
ELECTRON CORRELATION IN METALS, MAY 1963,
BY JONES W
MARCH N W
DDC NUMBER 409552
INSTRUMENT AF 61C052300317
PROJ/TASK 7112 02
- 49L 63 088
SPACE TECH LABS INC BENDIGO BEACH CALIF
RESEARCH ON THE GENERATION AND ACCELERATION OF SUBMICRON-
SIZE PARTICLES, MAY 1963,
BY COHEN F
DDC NUMBER 427730
INSTRUMENT AF 33C616306775
PROJ/TASK 7116 03
- 49L 63 089
ISRAEL INST OF TECH HAIFA
CORRELATION OF THE BASE-PRESSURE BEHIND A TWO-DIMENSIONAL
BACKWARD FACING STEP IN A LAMINAR SUPERSONIC FLOW, DEC
1962,
BY RON J
VICTOR M
DDC NUMBER 429812
INSTRUMENT AF 61C052300376
PROJ/TASK 7063 01
- 49L 63 090
YALE IN NEW HAVEN CONN
COMBUSTION INTERACTIONS IN A STRONG MAGNETIC FIELD, MAY 1963,
BY GOLDMAN D
OSTER I
DDC NUMBER 412506
INSTRUMENT AF 33C657307271
PROJ/TASK 7073 01
- 49L 63 091
AF OAD AIRSPACE RESEARCH LABS
APPLIED MATHEMATICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
SPACE CHARGE DISTRIBUTION IN A CLOSED CYLINDER OF FINITE
LENGTH, MAY 1963,
BY BREITEN V
BOHLMANNEN V
DDC NUMBER 409500
PROJ/TASK 7071 01
- 49L 63 092
DORRINGTON H N J
WAVE BY ELEMENTS ON HYPERSONIC SEPARATED FLOWS, 1963,
FROM WAVE STRUCTURES 1962
BY RODDHOFF S W
VAS I F
DDC NUMBER 433417
INSTRUMENT AF 33C616307629
PROJ/TASK 7064 01
- 49L 63 093
UPPSALA IN SWEDEN
LIMIT OF ERROR FOR THE ELECTRON DENSITY, COIN
DENSITY AND ATOMIC FORM FACTORS IN QUANTUM MECHANICAL
CALCULATIONS, 14 JUL 1963,
BY BERG L O
DDC NUMBER 445283
INSTRUMENT AF 61C052300351
PROJ/TASK 7112 02
- 49L 63 094
UPPSALA IN SWEDEN
ELECTRONIC LOCALIZATION AND PHYSICAL EVOLUTION, 15
NOV 1962,
BY DILLMAN A
DDC NUMBER 445240
INSTRUMENT AF 61C052300341
PROJ/TASK 7112 02
- 49L 63 095
UPPSALA IN SWEDEN
SECOND ORBITALS AND σ MODIFIED ELECTRON-PAIRS
CALCULATION OF THE AMMONIA MOLECULAR, 15 NOV 1962,
BY TSUCHIDA A
OHNO Y
DDC NUMBER 445260
INSTRUMENT AF 61C052300351
PROJ/TASK 7112 02
- 49L 63 096
UPPSALA IN SWEDEN
REPORT FROM THE INTERNATIONAL SUMMER INSTITUTE IN
QUANTUM CHEMISTRY AND SOLID STATE PHYSICS HELD AT THE
UNIVERSITY OF UPPSALA, SWEDEN,
BY LINDIN P-O
DDC NUMBER 405202
INSTRUMENT AF 61C052300351
PROJ/TASK 7112 02
- 49L 63 097
UPPSALA IN SWEDEN
ON THE CALCULATIONS OF SOME ATOMIC INTEGRALS CONTAINING
FOUR TERMS OF $r^{12} + r^{10} + r^8 + r^6$, 30 NOV 1962,
BY OHNO Y
NORLING J
DDC NUMBER 445441
INSTRUMENT AF 61C052300351
PROJ/TASK 7112 02
- 49L 63 098
RHODES IN PROVIDENCE R I
HEAT AND MASS TRANSFER IN TURBULENT SEPARATED FLOWS, 1963,
BY RICHARDSON D O
DDC NUMBER 408107
INSTRUMENT AF 33C616300756
PROJ/TASK 7063 01
- 49L 63 099
ISRAEL INST OF TECH HAIFA
MEASUREMENT OF LAMINAR HEAT TRANSFER RATES OVER A TWO-
DIMENSIONAL BACKWARD FACING STEP IN A SHOCK TUBE, FEB 1963,
BY RON J
SECTHER A
DDC NUMBER 429811
INSTRUMENT AF 61C052300576
PROJ/TASK 7112 01
- 49L 63 100
GULF-10 INC LOS ANGELES CALIF
TEST CRITERIA FOR PEARSON TYPE III DISTRIBUTIONS, JUN 1963,
BY HICKY M R
WINDLE D R
WALKER D M
GINSKY A H
DDC NUMBER 415831
INSTRUMENT AF 33C657307900
PROJ/TASK 7071 01
- 49L 63 101
OHIO STATE IN RESEARCH FOUNDATION COLUMBUS
PROPAGATION OF SPHERICAL COMBUSTION WAVES, JUN 1963,
BY DEUTERBAUM J W
STRAUSS W A
FOCK R
DDC NUMBER 414962
INSTRUMENT AF 33C616300129
PROJ/TASK 7013 01
- 49L 63 102
ILLINOIS INST OF TECH CHICAGO
AN INVESTIGATION OF INDUCED SEPARATION OF SUPERSONIC
CHANNEL FLOWS, JUN 1963,
BY FEUER A A
JOSEF J-R
INSTRUMENT AF 33C616300183
PROJ/TASK 7116 01
- 49L 63 103
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
THE TRANSPIRATION COOLING OF A TURBULENT BOUNDARY LAYER
IN AN AXISYMMETRIC NOZZLE, JUN 1963,
BY LIBBY J J
COFFIN J R
DDC NUMBER 415448
INSTRUMENT AF 33C616307661
PROJ/TASK 7066 01
- 49L 63 104
ILLINOIS INST OF TECH RESEARCH INST CHICAGO
A STUDY OF THE H₂-O₂ SYSTEM, JUN 1963,
BY DOMAGALA R F
DDC NUMBER 410593
INSTRUMENT AF 33C616307074
PROJ/TASK 7022 02
- 49L 63 105
TECHNISCHE HOCHSCHULE STUTTGART WEST GERMANY
TRANSIENT DISCHARGE IN WIRE STABILIZED ARC, JUN 1963,
BY WOPPER F H
WALLSTADT H
DEJANER F
SCHMIDT H
STROBEL W R
THIELER S
DDC NUMBER 414107
INSTRUMENT AF 61C052300100
PROJ/TASK 7073 01
- 49L 63 106
CARNEGIE INST OF TECH PITTSBURGH PA
ON THE CORRELATION OF THE MEANS OF TWO NORMAL DISTRIBUTIONS
WITH UNKNOWN VARIANCES, JUN 1963,
BY YAO Y
DDC NUMBER 415802
INSTRUMENT AF 33C616307274
PROJ/TASK 7071 01
- 49L 63 107
NORTH AMERICAN AVIATION INC ROCKWELL DIV
CANADA BARK CALIF
COMPARISON OF METHODS FOR REGRESSION EXPERIMENTS, DESIGN
OF EXPERIMENTS WITH AUTOCORRELATED ERRORS PRESENT, AND
DETERMINATION THEORY APPROACH TO COMPLEX EXPERIMENTATIONS, JUN
1963,
BY ALEXANDER M J
GOODMAN M R
LOCKE M O
LEHR C O
DDC NUMBER 415454
INSTRUMENT AF 33C616307377
PROJ/TASK 7071 01
- 49L 63 108
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
ON THE MIXING OF LAMINAR AND TURBULENT AXIALLY SYMMETRIC
COMPRESSIBLE FLOWS, JUN 1963,
BY KLEINSTEIN G
DDC NUMBER 414031
INSTRUMENT AF 33C616307661
PROJ/TASK 7066 01

ARL 63 109
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
MIXING PROBLEMS WITH CHEMICAL REACTIONS, JUN 1963.
RY ZAKKAY V DDC NUMBER 411760
KRAUSE F INSTRUMENT AF 33C616>07661
PROJ/TASK 7064 01

ARL 63 110
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
A FLAME ZONE MODEL FOR CHEMICAL REACTION IN A LAMINAR
BOUNDARY LAYER WITH APPLICATION TO THE INJECTION OF
HYDROGEN-OXYGEN MIXTURES.
INTERN J HEAT MASS TRANSFER 6 113-128 1963
RY LARRY D A DDC NUMBER 408225
ECONOMOS C INSTRUMENT AF 33C616>07661
PROJ/TASK 7064 01

ARL 63 111
AF OAR AEROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
FREE CONVECTION HEAT TRANSFER IN A REACTING GAS ENCLOSED
BETWEEN PARALLEL VERTICAL PLATES.
CHEM ENG PROG SYMPOS SER 59 41 208-220 1963
RY SCHELLER K DDC NUMBER 407678
DRYDEN C F INSTRUMENT AF 33C616>07661
PROJ/TASK 7013 01

ARL 63 112
CATHOLIC U OF LOUVAIN BELGIUM
EXPERIMENTAL STUDY OF CHEMI-IONIZATION IN FLAMES, MAY 1963.
RY VAN TIGHELEN A DDC NUMBER 404875
BERTRAND J M INSTRUMENT AF 61C052>00398
FEIGIER A PROJ/TASK 7013 01

ARL 63 113
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
CONFORMAL TRANSFORMATIONS AND ELECTROMAGNETIC RADIATION,
JUL 1963.
RY WITTM L DDC NUMBER 415142
INSTRUMENT AF 33C616>08194
PROJ/TASK 7114 01

ARL 63 114
FRANKLIN INST PHILADELPHIA PA
A STUDY OF THE BEHAVIOR OF DISLOCATIONS AND THEIR
INTERACTION WITH OTHER LATTICE DEFECTS UNDER CONDITIONS
OF ALTERNATING STRESS, JUL 1963.
RY SPONDEEN K U DDC NUMBER 415630
WILSDORF H G F INSTRUMENT AF 33C616>06996
PROJ/TASK 7024 02

ARL 63 115
PARIS U FRANCE
LONGITUDINAL DIELECTRIC CONSTANT OF A PLASMA, TAKING INTO
ACCOUNT CORRELATION EFFECTS, MAR 1963.
RY COSTE J DDC NUMBER 408264
INSTRUMENT AF 61C052>00351
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ARL 63 116
SYSTEMS RESEARCH LABS INC DAYTON OHIO
THE ELECTRICAL BEHAVIOR OF REFRACTORY OXIDES, JUL 1963.
RY VEST R W DDC NUMBER 418270
INSTRUMENT AF 33C616>07748
PROJ/TASK 7022 02

ARL 63 117
HOOTHORP CORP HAWTHORNE CALIF
ANALYSIS OF SUPERSONIC FLOW THROUGH CURVED CHANNELS, JUL
1963.
RY DER J JR DDC NUMBER 419300
WILLINGS R M INSTRUMENT AF 33C657>08851
HOFFMAN G H PROJ/TASK 7065 01
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ARL 63 118
WISCONSIN U MADISON
THE INTEGRATION OF THE FIRST-ORDER PERTURBED WAVE EQUATION
FOR EXCITED STATES OF ONE-DIMENSIONAL SYSTEMS, JUL 1963.
RY BROWN W R DDC NUMBER 405547
HIRSCHEFELDER J O INSTRUMENT AF 33C657>07311
PROJ/TASK 7013 01

ARL 63 119
AF OAR AEROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
BYDROGEN LEVELS OF POLYTECHNIC MOLECULES, OXYGEN CONTAINING
MOLCULES.
J MOL LIQUID 10 4 APR 1963
RY LAPAGLIA S R DDC NUMBER 410737
PROJ/TASK 7013 03

ARL 63 120
YALE U NEW HAVEN CONN
COULOMB INTERACTIONS IN A STRONG MAGNETIC FIELD. I.
ADIABATIC CASE.
PHYS REV 129 3 1469-1478 FEB 1963
RY GOLDMAN D DDC NUMBER 412895
OSTER I INSTRUMENT AF 33C657>07271
PROJ/TASK 7073 01

ARL 63 121
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
ON AXIALLY SYMMETRIC, TURBULENT COMPRESSIBLE MIXING IN
THE PRESENCE OF INITIAL BOUNDARY LAYER.
AM INST AERONAUTICS 1 4 1963
RY KLEINSTEIN G DDC NUMBER 409612
INSTRUMENT AF 33C616>07661
PROJ/TASK 7064 01

ARL 63 122
ICRAF INST OF TECH HAIFA
RESEARCH ON THE DEPENDENCE OF THE STRENGTH OF METALS ON THE
RATE OF STRAIN, 15 MAR 1963.
RY REINER M DDC NUMBER 412287
ARIR D INSTRUMENT AF 61C052>00304
PROJ/TASK 7063 02

ARL 63 123
STANFORD U CAL
THE ROLE OF DEFERRED ORIENTATION ON THE ELASTIC AND
PLASTIC PROPERTIES OF METALS AT HIGH TEMPERATURES, JUL 1963
RY LYTTON J L DDC NUMBER 418074
INSTRUMENT AF 33C616>06789
PROJ/TASK 7021 01

ARL 63 124
MASSACHUSETTS INST OF TECH CAMBRIDGE
STRAIN HARDENING AND AUSEFORMING IN AN IRON-NICKEL ALLOY,
JUL 1963.
RY COHEN M DDC NUMBER 418720
TANANTO J INSTRUMENT AF 33C616>06873
PROJ/TASK 7021 04

ARL 63 125
MARQUARDT CORP VAN NUYS CALIF
RESEARCH ON EXPERIMENTAL EVALUATION OF SPATTERING YIELD
RATES, JUL 1963.
RY CHENY K P DDC NUMBER 415285
RODGERS F F INSTRUMENT AF 61C052>00120
DITKIN F T PROJ/TASK 7116 03

ARL 63 126
BRANDEIS U WALTHAM MASS
ELECTRON PARAMAGNETIC RESONANCE OF IMPURITIES OF SINGLE
CRYSTALS AND OF SULFUR MONOXIDE, JUL 1963.
RY DORAIN D R DDC NUMBER 410127
INSTRUMENT AF 33C616>06401
PROJ/TASK 7885 03

ARL 63 127
WISCONSIN U MADISON
ENERGY LEVELS IN SEMICONDUCTOR MATERIALS THROUGH CYCLOTRON
RESONANCE, JUL 1963.
RY BAER W S DDC NUMBER 418744
HENNING D H INSTRUMENT AF 33C616>06111
HALLORAN M H PROJ/TASK 7885 03
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ARL 63 128
UPPSALA U SWEDEN
CORRELATION EFFECTS IN THE ALTERNANT MOLECULAR ORBITAL
APPROXIMATION, JUL 1963.
RY ADAMS W H DDC NUMBER 408264
INSTRUMENT AF 61C052>00351
PROJ/TASK 7112 02

ARL 63 129
UPPSALA U SWEDEN
SPIN COMPONENT ANALYSIS OF SINGLE DETERMINANT WAVE
FUNCTIONS, JUL 1963.
RY KAKIY F DDC NUMBER 408267
OHNO K INSTRUMENT AF 61C052>00351
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ARL 63 130
UPPSALA U SWEDEN
SIMPLE MOLECULAR ORBITAL CALCULATIONS ON THE ELECTRONIC
STRUCTURE OF IRON-PORPHYRIN COMPLEXES, JUL 1963.
RY OHNO K DDC NUMBER 409586
YANASE Y INSTRUMENT AF 61C052>00351
KASAKI F PROJ/TASK 7112 02

ARL 63 131
CHICAGO U ILL
INVESTIGATION OF THE EFFECTS OF AN AXIAL MAGNETIC FIELD
ON THE FLOW OF AN IONIZED GAS, JUL 1963.
RY DICKERMAN D J DDC NUMBER 415003
JARAMILLO T J INSTRUMENT AF 33C616>08048
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THE EFFECT OF TRANSIENT CREEP ON THE ON-LADDER TIME OF
CYLINDERS AND CONES UNDER EXTERNAL PRESSURE, AUG 1963.
RY STOWELL F J DDC NUMBER 414148
BRIGGS E M INSTRUMENT AF 33C657>08125
PROJ/TASK 7063 02

ARL 63 133
ELECTRO-OPTICAL SYSTEMS INC PASADENA CALIF
THERMODYNAMIC PROPERTIES OF ARGON, AUG 1963.
RY BAUM E DDC NUMBER 419080
CANN G L INSTRUMENT AF 33C657>07940
PROJ/TASK 7116 03

ARL 63 134
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
STUDIES ON THE DECOMPOSITION OF NITRUS OXIDE.
RY STOKES G DDC NUMBER 418744
EICHBERNE J R INSTRUMENT AF 33C657>08951
FOSE D PROJ/TASK 7065 01

ARL 63 135
AF OAR AEROSPACE RESEARCH LABS
FLUID DYNAMICS FACILITIES LAB WRIGHT-PATTERSON AFB OHIO
SOME CONSIDERATIONS ON FREE-FLIGHT TESTING IN THE ARL
THIRTY-INCH HYPERSONIC WIND TUNNEL, AUG 1963.
RY MOORE D G DDC NUMBER 410737
PROJ/TASK 7065 01

ARL 63 136
QUEENS U BELFAST NORTHERN IRELAND
NOTES ON PLASMA ELECTRON OSCILLATIONS, AUG 1963.
RY GARELUS K G DDC NUMBER 414738
GARCARDEN A INSTRUMENT AF 61C052>00132
PROJ/TASK 7074 03

ARL 63 137
 QUIFFENS II BELFAST NORTHERN IRELAND
 EXPERIMENTS ON PLASMA OSCILLATIONS, AUG 1963.
 J ELECTRON CONTROL MAR 1963
 BY GARCADEN A DDC NUMBER 410739
 INSTRUMENT AF 61605200132
 PROJ/TASK 7073 03

ARL 63 138
 AF OAR AEROSPACE RESEARCH LABS GENERAL PHYSICS LAB
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 REFRACTIVE INDEXES OF SINGLE HEXAGONAL ZNS AND CDS
 CRYSTALS, AUG 1963.
 BY RIENIEWICKI T M DDC NUMBER 414376
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ARL 63 139
 GENERAL MILLS INC ST PAUL MINN
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 METALS, PARTS I AND II, AUG 1963.
 BY WENARD R C DDC NUMBER 419214
 INSTRUMENT AF 336657008038
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ARL 63 140
 AF OAR AEROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
 WRIGHT-PATTERSON AFB OHIO
 NATURE OF THE INTERACTION BETWEEN ELECTRONS AND WELL-
 DEFINED SURFACES, PART II, INTERACTION BETWEEN A SMALL
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 FIELDS PERPENDICULAR TO THE HELICAL AXIS, AUG 1963.
 BY JACKSON A G DDC NUMBER 420541
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ARL 63 141
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 STAGNATION POINT HEAT TRANSFER OF A BLUNT-NOSSED BODY IN
 LOW-DENSITY FLOW, AUG 1963.
 ATAA J 1220-1221 MAY 1963
 BY CHOW B DDC NUMBER 410012
 INSTRUMENT AF 336616007661
 PROJ/TASK 7064 01

ARL 63 142
 AF OAR AEROSPACE RESEARCH LABS
 SOLID STATE PHYSICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
 THE POTENTIALITIES OF ELECTRONICALLY SCANNED
 PHOTOCONDUCTIVE IMAGE DETECTORS FOR ASTRONOMICAL USES, AUG
 1963.
 CVPD PHOTOELECTRONIC IMAGE DEVICES LONDON 1963
 BY GEREL R K H DDC NUMBER 417072
 PROJ/TASK 7885 03

ARL 63 143
 STANFORD II CAL
 A DOUBLE-PROBE TECHNIQUE FOR DETERMINING ELECTRON VELOCITY
 DISTRIBUTIONS, AUG 1963.
 PROC INTERN CONF IONIZATION PHENOMENA GASES 6TH PARIS 1963
 BY CRAWFORD F W DDC NUMBER 409268
 GARCADEN A PROJ/TASK 7063 03
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ARL 63 144
 IOWA STATE II OF SCIENCE AND TECH AMES
 THE COMPOUNDS OF GRADIENT ERROR IN THE METHOD OF PARALLEL
 TANGENTS, AUG 1963.
 BY DOERFLER T F DDC NUMBER 418749
 KEMPTHORNE D INSTRUMENT AF 336616008269
 PROJ/TASK 7061 01

ARL 63 145
 NORTH CAROLINA STATE COLL RALEIGH
 MAGNETO-DIAPYCNAMIC CHANNEL FLOW WITH HALL CURRENTS, AUG
 1963.
 BY YEN J T DDC NUMBER 421497
 FARN C L INSTRUMENT AF 336657008068
 PROJ/TASK 7116 01

ARL 63 146
 CINCINNATI II OHIO
 THE INTERACTION OF UNEQUAL OBLIQUE SHOCK WAVES IN A
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 BY TEDE F R JR DDC NUMBER 417441
 TAYLOR W INSTRUMENT AF 336616008453
 PROJ/TASK 7064 01

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 INSTRUMENT AF 336657008869
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 PROGRAM FOR SOME MOLECULAR INTEGRALS, ANALYSIS AND
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 BY LINDBERGG J DDC NUMBER 411334
 RYSTRAND F W INSTRUMENT AF 616052000351
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 DOUBLY EXCITED STATES AND NATURAL ORBITALS IN THE STUDY OF
 ATOMS BY PERTURBATION THEORY, AUG 1963.
 BY LINDBERGG J DDC NUMBER 411273
 INSTRUMENT AF 616052000351
 PROJ/TASK 7112 02

ARL 63 150
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 EFFECTS OF MECHANICAL AND THERMAL ELECTRODE PROPERTIES ON
 THE BEHAVIOR OF THE FLUID TRANSPARATION ARC, AUG 1963.
 BY SHEER C DDC NUMBER 419199
 KENNEDY J M INSTRUMENT AF 336657008868
 TECHANG R S PROJ/TASK 7063 03

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 AF OAR AEROSPACE RESEARCH LABS
 SOLID STATE PHYSICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
 PROCEEDINGS OF THE FIRST PLASMA ARC SEMINAR OF THE
 THERMO-MECHANICS RESEARCH LABORATORY, SEP 1963.
 BY DAVIES C A DDC NUMBER 420450
 PROJ/TASK 7063 03

ARL 63 152
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 THE TRIAXIAL TENSION FAILURE OF VISCOELASTIC MATERIALS,
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 BY LINDSEY G H DDC NUMBER 419128
 SCHARFOW R A INSTRUMENT AF 336616008399
 WILLIAMS M L PROJ/TASK 7063 02
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ARL 63 153
 GENEVA II SWITZERLAND
 ORTHOGONAL AND PARTIALLY BALANCED ARRAYS AND THEIR
 APPLICATION IN DESIGN OF EXPERIMENTS, SEP 1963.
 BY CHAKRAVARTI I M DDC NUMBER 419214
 INSTRUMENT AF 616052000648
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ARL 63 154
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 A METHOD OF COMPUTING THE EMISSION DISTRIBUTION IN
 CYLINDRICAL LIGHT SOURCES.
 ARKIV FYSIK 23 671-674 MAR 1963
 BY HERLITZ S I DDC NUMBER 416027
 INSTRUMENT AF OAR -0081-63
 PROJ/TASK 7073 01

ARL 63 155
 QUIFFENS II BELFAST NORTHERN IRELAND
 NOTES ON PLASMA OSCILLATIONS, 10 JUN 1963.
 BY EMELIUS K G DDC NUMBER 411450
 JONES J M INSTRUMENT AF OAR -0068-67
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 BY BLOSS W DDC NUMBER 419097
 INSTRUMENT AF 616052000443
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 DETONATION AND SHOCK-TUBE STUDIES OF HYDRAZINE AND
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 BY JUST A DDC NUMBER 419097
 MICHEL K W INSTRUMENT AF 616052001142
 TROF J PROJ/TASK 7013 01
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 BY MEATH W J DDC NUMBER 419767
 SANDO K M INSTRUMENT AF 336657007311
 GOSCINSKI S O PROJ/TASK 7013 01
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ARL 63 159
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 THEORETICAL AND EXPERIMENTAL INVESTIGATION OF MICROWAVE
 SCATTERING FROM A CYLINDRICAL PLASMA, SEP 1963.
 BY BOWEN S W DDC NUMBER 419803
 CHEATHAM D W INSTRUMENT AF 336616008124
 NICHOLLS J S PROJ/TASK 7116 02
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ARL 63 160
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 PHYSICAL AND PREPARATIVE STUDIES OF TRANSITION METAL
 CHELATES, SEP 1963.
 BY ARCHER R D DDC NUMBER 419774
 INSTRUMENT AF 336657009035
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ARL 63 161
 CINCINNATI II OHIO
 THE PROBLEM OF SHARP LEADING EDGE IN HYPERSONIC FLOW,
 SEP 1963.
 BY JAIN A C DDC NUMBER 418746
 TING YI LI INSTRUMENT AF 336616008453
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 BY BROWN D L DDC NUMBER 419044
 TOWN K H INSTRUMENT AF 336616008453
 HOELVER W PROJ/TASK 7064 01
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 BY LEE T H DDC NUMBER 418764
 GREENWOOD A INSTRUMENT AF 336657008206
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 AF OAR AEROSPACE RESEARCH LABS METALLURGY AND CERAMICS
 RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
 AN ANOMALOUS DISSIPATION FACTOR MAXIMUM IN SAPPHIRE, 24
 JAN 1962.
 J APPL PHYS 34 6 1650-1656 JUN 1963
 BY TALLAN M W DDC NUMBER 416016
 OPTWILER D D PROJ/TASK 7021 02

ARL 63 165
AF OAR AFROSPACE RESEARCH LABS
SOLID STATE PHYSICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
SOME EARLY TRIALS OF ASTRONOMICAL PHOTOGRAPHY BY
TELEVISION METHODS.
SYMP PHOTOELECTRONIC IMAGE DEVICES LONDON 1968
BY GEREL R K H
DEVOL L
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ARL 63 166
DARTMOUTH COLL HANOVER N H
ON ELECTRICAL CONDUCTION IN A NONUNIFORM HELIUM PLASMA.
SEP 1963.
BY PYTTE A
WILLIAMS A R
DDC NUMBER 419764
INSTRUMENT AF 33C657>08179
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ARL 63 167
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RESEARCH ON SYSTEMS FOR PRODUCTION OF HIGH TEMPERATURE
AND HIGH DENSITY GASES. JUN 1963.
BY MINARDI J F
SCHWARTZ R R
DDC NUMBER 419235
INSTRUMENT AF 33C657>08375
PROJ/TASK 7116 01

ARL 63 168
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AN INVESTIGATION OF A HYPERSONIC CASCADE WITH 120°
TURNING PASSAGES. SEP 1963.
BY CRESCI R J
SCHLESINGER A
INSTRUMENT AF 33C657>08286
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ARL 63 169
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ENERGY BALANCE OF UNIFORMLY ACCELERATED CHARGE. SEP 1963.
BY LEIROVITZ C
PERES A
DDC NUMBER 413513
INSTRUMENT AF 60AR -0107-63
PROJ/TASK 7114 01

ARL 63 170
DEANPLER DENNITT INC MATERIAALVAE CORP AVON N Y
RESEARCH ON THE THERMAL PROPERTIES OF ZIRCONIA. SEP 1963.
BY BURDICK R R
HOSKINS W R
DDC NUMBER 420560
INSTRUMENT AF 33C616>08208
PROJ/TASK 7022 02

ARL 63 171
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RESEARCH ON PHOTOVOLTAIC CELLS. OCT 1963.
BY HEYERDAHL N F
HARVEY D J
HETANEN J R
WOLFF G A
DDC NUMBER 421003
INSTRUMENT AF 33C657>07916
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HYPERVIRIAL FUNCTIONS AND THE POSITIVE POWERS OF THE
RADIAL COORDINATE OPERATOR IN HE AND H⁺. OCT 1963.
BY GORDON S L
DDC NUMBER 421494
INSTRUMENT AF 33C657>07311
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AF OAR AFROSPACE RESEARCH LABS
SOLID STATE PHYSICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
ENERGY EXCHANGE PHENOMENA IN ELECTRIC ARCS AND THEIR
APPLICATION TO AFROSPACE TECHNOLOGY. OCT 1963.
BY SOEHNGEN F F
DDC NUMBER 429954
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SIMULTANEOUS TESTS AND THE EFFICIENCY OF GENERALIZED
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BY KRISHNAIAH R R
DDC NUMBER 420955
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MARYLAND U COLLEGE PARK
A CRITICAL SURVEY OF MAGNETOFLUID DYNAMICS. PART 1.
GENERAL DISCUSSION. OCT 1963.
BY PAI S I
INSTRUMENT AF 33C657>07805
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ARL 63 176
MICHIGAN U ANN ARBOR MICH
INVESTIGATIONS OF THE STEADY AND UNSTEADY MOTION OF
FREELY FALLING DISKS. OCT 1963.
BY WILLMARTH W F
HANK N F
HARVEY R L
DDC NUMBER 420913
INSTRUMENT AF 33C616>07628
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BY GROSSMANN Z V I
PERES A
DDC NUMBER 417544
INSTRUMENT AF 60AR -0177-63
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ARL 63 178
AF OAR AFROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
SINGLET-SINGLET ENERGY TRANSFER IN FLUID SOLUTIONS.
OCT 1963.
J CHEM PHYS 38 10 2536-2541 MAY 1963
BY DUBOIS J T
COX M
DDC NUMBER 419750
PROJ/TASK 7013 03

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AF OAR AFROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
TRIPLET STATE OF BENZENE. OCT 1963.
J CHEM PHYS 38 10 2541-2547 MAY 1963
BY DUBOIS J T
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DDC NUMBER 419749
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ARL 63 180
AF OAR AFROSPACE RESEARCH LABS CHEMISTRY RESEARCH LAB
WRIGHT-PATTERSON AFB OHIO
THE ATOM CONNECTIVITY MATRIX <ACMCP> AND ITS CHARACTERISTIC
POLYNOMIAL <ACMCP> - A NEW COMPUTER-ORIENTED CHEMICAL
NOMENCLATURE. OCT 1963.
J AM CHEM SOC 85 2012 1963
BY SPIATER L
DDC NUMBER 419311
PROJ/TASK 7073 01

ARL 63 181
YALE U NEW HAVEN CONN
RESONANCE PHENOMENA IN A GASEOUS DISCHARGE IN A
STRONG MAGNETIC FIELD.
J APPL PHYS 44 5 1470-1479 MAY 1963
BY BEFFEN R
GOLDMAN D
OSTER L
DDC NUMBER 419748
INSTRUMENT AF 33C657>07271
PROJ/TASK 7073 01

ARL 63 182
PARIS U FRANCE
DYNAMICS OF NONLINEAR PLASMA OSCILLATIONS. OCT 1963.
BY KALMAN G
TOULOUSE G
DDC NUMBER 417567
INSTRUMENT AF 61C052>00613
PROJ/TASK 7073 03

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AF OAR AFROSPACE RESEARCH LABS GENERAL PHYSICS LAB
WRIGHT-PATTERSON AFB OHIO
ONE-DIMENSIONAL FERMION DENSITY FORMULA. OCT 1963.
J CHEM PHYS 38 8 2016-2019 APR 1963
BY PAYNE H
DDC NUMBER 419312
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ARL 63 184
ISRAEL INST OF TECH HAIFA
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BY PERES A
DDC NUMBER 417563
INSTRUMENT AF 60AR -0107-63
PROJ/TASK 7114 01

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BY CALAIS J-I
APPEL K
DDC NUMBER 417992
INSTRUMENT AF 61C052>00351
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ARL 63 187
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HEAT TRANSFER IN RAREFIED GAS FLOW.
RES HEAT TRANSFER BERGAMON PRESS LONDON 1963
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INSTRUMENT AF 33C657>07215
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ARL 63 188
PRINCETON U N J
AN INVESTIGATION OF METHODS OF USING A GRAPHITE
RESISTANCE HEATER WITH AIR. OCT 1963.
BY VAS I F
BOGDANOFF S W
INSTRUMENT AF 33C657>08B18
PROJ/TASK 7065 01

ARL 63 189
CINCINNATI U OHIO
THEORETICAL OPERATING RANGES AND CALIBRATION RESULTS OF THE
ADL TWENTY-INCH HYPERSONIC WIND TUNNEL. OCT 1963.
BY TEE F R JR
BROWN D L
TOKEN K H
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INSTRUMENT AF 33C616>08A53
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ARL 63 190
AF OAR AFROSPACE RESEARCH LABS METALLURGY AND CERAMICS
RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
REACTIONS OF ZIRCONIA AND TITANIUM AT ELEVATED TEMPERATURES
J AM CERAM SOC 46 301-307 JUL 1963
BY RUIH R
PROJ/TASK 7022 02

ARL 63 191
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RECENT RESULTS OF STUDIES OF THE TRAVELING WAVE PUMP.
AJAA J 63-281 JUN 1963
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INSTRUMENT AF 33C657>07975
PROJ/TASK 7065 01

ARL 63 192
WISCONSIN U MADISON
THE EXACT EXPANSION OF THE ELECTRONIC ENERGY OF
ONE-ELECTRON DIATOMIC MOLECULES IN POWERS OF THE
INTERNUCLEAR SEPARATION. NOV 1963.
BY BROWN W R
STEINER F
INSTRUMENT AF 33C657>07311
PROJ/TASK 7013 01

ARL 63 193
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BOUNDARY CONDITIONS AT THE OUTER EDGE OF THE BOUNDARY
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BY CRESCI R J
LIBBY P A
DDC NUMBER 422250
INSTRUMENT AF 33C616>07661
PROJ/TASK 7064 01

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AF OAR AFROSPACE RESEARCH LABS
APPLIED MATHEMATICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
PERCENTAGE POINTS OF THE RATIO OF RANGES OF SAMPLES FROM A
RECTANGULAR DISTRIBUTION. NOV 1963.
BY RINEY D R
DDC NUMBER 426107
PROJ/TASK 7071 01

- 47L 63 194
UDDEVALA II SWEDEN
DAMPING AND POLARIZATION OF PLANE MAGNETOHYDRODYNAMIC WAVES, NOV 1963
BY MERLITZ S I
DDC NUMBER 420544
INSTRUMENT AF 10A9 -0109-62
PROJ/TASK 7073 01
- 47L 63 196
UDDEVALA II SWEDEN
NONLINEAR DISTORTION OF PERIODIC MAGNETOHYDRODYNAMIC WAVES, NOV 1963
BY MERLITZ S I
DDC NUMBER 420545
INSTRUMENT AF 10A9 -0109-62
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- 47L 63 197
SYSTEMS RESEARCH LABS INC DAYTON OHIO
LOW ENERGY ELECTRON DIFFRACTION FROM SINGLE CRYSTAL SURFACES, 1. APPARATUS DESIGN, NOV 1963
BY KERN F L
FLAYO D F
HUNCE D W
DDC NUMBER 426752
INSTRUMENT AF 33C657510708
PROJ/TASK 7073 04
- 47L 63 198
AF OAR AEROSPACE RESEARCH LABS
SOLID STATE PHYSICS RESEARCH LAB WRIGHT-PATTERSON AFB OHIO
INVESTIGATION OF A SHEAR-FORCE PUMP,
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BY HARTIGER T H
HENRY I G
DDC NUMBER 423974
INSTRUMENT AF 61C052500133
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INSTRUMENT AF 19<604>07265
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AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
ARCTIC EARTH SCIENCE INVESTIGATIONS, CENTRUM SO, NORTHEAST
GREENLAND, 1960, JUL 1962
BY NEEDLEMAN S H
DC NUMBER 292749
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PRODUCTION OF MILLIMETER AND SUBMILLIMETER ELECTROMAGNETIC
WAVES BY THE INTERACTION OF PLASMA AND ELECTRON BEAMS WITH
HIGH INTENSITY PULSED MAGNETS
BY MANIER R W
DC NUMBER 401191
INSTRUMENT AF 19<604>07406
PROJ/TASK 4619 02

AFCL 62 0721
COLORADO U BOULDER
THE MAGNETIC FIELD OF JUPITER, 31 JAN 1962
BY WARWICK J W
DC NUMBER 5406
INSTRUMENT AF 19<628>00224
PROJ/TASK 5631

AFCL 62 0724
SYRACUSE U RESEARCH INST N Y
PROBABILISTIC NETWORK STUDY - SYSTEM RELIABILITY, AUG 1962
BY REZA F M
DC NUMBER 296975
INSTRUMENT AF 19<604>06169
PROJ/TASK 563256323

AFCL 62 0725
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
AN ELECTROMECHANICAL METHOD OF SCANNING THE STRETCH ARRAY
SEP 1962
BY POIRIER J L
DC NUMBER 295078
PROJ/TASK 4642

AFCL 62 0728
MONTANA STATE COLL BOZEMAN
ION CYCLING BEHAVIOR IN 1-DIMENSIONAL, BILATERAL INTERACTIVE
NETWORKS, AUG 1962
BY KILMER W L
DC NUMBER 294381
INSTRUMENT AF 19<604>06619
PROJ/TASK 5632 02

AFCL 62 0731
F AND M SCIENTIFIC CORP AVONDALE PA
A COMPLETELY CONTINUOUS CHROMATOGRAPH FOR PURIFICATION OF
BORON COMPOUNDS, AUG 1962
BY PETERS J
DEBBRECHT F J
INSTRUMENT AF 19<604>08045
PROJ/TASK 4608 02

AFCL 62 0733
RHODE ISLAND U KINGSTON
THE SURFACE WAVE ANTENNA AS A BOUNDARY VALUE PROBLEM, SEP
1962
BY KANE J
DC NUMBER 294317
INSTRUMENT AF 19<604>07983
PROJ/TASK 5635 02

AFCL 62 0737
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
EXCITATION OF WAVES IN A HOT PLASMA BY AN ELECTRIC DIPOLE
SFP 1962
BY KUEHL H H
DC NUMBER 291821
INSTRUMENT AF 19<604>06195
PROJ/TASK 4642 02

AFCL 62 0740
NEW YORK U NEW YORK
FAR FIELD AMPLITUDES AND INVERSE DIFFRACTION THEORY, SEP
1962
BY KARP S N
DC NUMBER 297984
INSTRUMENT AF 19<604>05238
PROJ/TASK 5635 02

AFCL 62 0741
MOTOROLA INC PHOENIX ARIZ
EPITAXIAL CONTROL SYSTEM, 14 JUN 1962
BY JACKSON D M JR
INSTRUMENT AF 19<604>08351
PROJ/TASK 4608 04

AFCL 62 0742
NEW YORK U NEW YORK
THE ESTIMATION PROBLEM IN NULL-ZONE RECEPTION FEEDBACK
SYSTEMS, 15 AUG 1962
BY METZNER J J
MORGAN T C
DC NUMBER 290325
INSTRUMENT AF 19<604>06188
PROJ/TASK 4610 03

AFCL 62 0744
COLLINS RADIO CO ALPHA CORP RICHARDSON TEX
4-WHEELS MODERNIZATION, 14 AUG 1962
BY MOLLAN R W
TREKA R
INSTRUMENT AF 19<604>08019
PROJ/TASK 212446518

AFCL 62 0745
COLORADO U BOULDER
IMPEDANCE OF A MONOPOLE ANTENNA WITH A RADIAL-WIRE GROUND
SYSTEM ON AN IMPERFECTLY CONDUCTING GROUND, 24 AUG 1962
BY JOHNSON C A
MALEY S J
KING R J
DC NUMBER 294960
INSTRUMENT AF 19<604>04556
PROJ/TASK 563556350

AFCL 62 0746
NEW YORK U NEW YORK
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS, 1 SEP
1957 TO 31 AUG 1962
BY ROHRBAUGH J H
DC NUMBER 288598
INSTRUMENT AF 19<604>02673
PROJ/TASK 562156216

AFCL 62 0747
CALIFORNIA INST OF TECH PASADENA
LIGHT SCATTERING FROM DIELECTRIC FILM LASER MIRRORS, 1 SEP
1962
BY SPECHT W A JR
DC NUMBER 298726
INSTRUMENT AF 19<604>08052
PROJ/TASK 4600 06

AFCL 62 0748
CALIFORNIA INST OF TECH PASADENA
A MODIFIED FARRY-PEROT INTERFEROMETER AS A DISCRIMINATION
FILTER AND A MODULATOR FOR LONGITUDINAL MODES, 1 SEP 1962
BY LOTSCH M K V
DC NUMBER 296948
INSTRUMENT AF 19<604>08052
PROJ/TASK 4600 06

AFCL 62 0752
SPACE TECH LABS INC REDONDO BEACH CALIF
THE STUDY OF A METHOD TO REDUCE ELECTRON DENSITY IN THE
IONOSPHERIC D-REGION BY MEANS OF HIGH-POWERED GROUND-BASED
TRANSMITTERS, SEP 1962
BY WOLMUD P
ALTSMULDER S
GARDNER J H
INSTRUMENT AF 19<604>08844

AFCL 62 0754
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
REDUCTION OF RADAR SCATTER FROM RESONANT OBJECTS BY
REACTIVE LOADING <U>, OCT 1962, SECRET
BY SLETTEN C J
BLACKSMITH P
MOLT F S
GORR R R
DC NUMBER 335567
PROJ/TASK 4600 01

AFCL 62 0758
AVCO CORP WILMINGTON MASS
THE GENERATION AND EFFECT OF ELECTROSTATIC FIELDS DURING
AN AURORAL DISTURBANCE, SEP 1962
BY SWIFT D W
DC NUMBER 288669
INSTRUMENT AF 19<604>04092
PROJ/TASK 4603 04

AFCL 62 0759
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
RADIATION FROM A UNIAXIALLY ANISOTROPIC PLASMA HALF SPACE
27 AUG 1962
BY PFLSEN L R
DC NUMBER 294877
INSTRUMENT AF 19<604>04143
PROJ/TASK 5635 01

AFCL 62 0760
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
ON THE THEORY OF RADIATION FROM SOURCES IN PLANAR STRATIFIED
ANISOTROPIC PLASMA MEDIA, 25 SEP 1962
BY ARBEL F
PFLSEN L R
DC NUMBER 295075
INSTRUMENT AF 19<604>04143
PROJ/TASK 5635 01

AFCL 62 0761
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
RADIATION FROM A DIPOLE IN AN INFINITE, HOMOGENEOUS,
ANISOTROPIC PLASMA, 25 SEP 1962
BY ARBEL F
PFLSEFM L B
INSTRUMENT AF 19<604>04143
PROJ/TASK 5635 01

AFCL 62-0762
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
MODAL ANALYSIS AND SYNTHESIS OF ELECTROMAGNETIC FIELDS, 24
SEP 1962
BY PFLSEFM L B
MARCUVITZ M
DDC NUMBER 294876
INSTRUMENT AF 19<604>07499
PROJ/TASK 4600 04

AFCL 62 0763
COLORADO U BOULDER
THE USE OF STATISTICAL METHODS IN THE DETERMINATION OF THE
PARAMETERS OF LINEAR MICROWAVE
BY MALEY S W
DDC NUMBER 294992
INSTRUMENT AF 19<604>04556
PROJ/TASK 5635 01

AFCL 62 0769
DOUCETTE F I ASSOC INC CHATHAM N J
A QUANTITATIVE STUDY OF THE EVOLUTION OF GASES FROM
ELECTRON TUBES AND MATERIALS, 10 JUL 1962
BY GRIBBS W J
SNIDER G H
DDC NUMBER 291660
INSTRUMENT AF 19<628>00326
PROJ/TASK 461946190

AFCL 62 0776
EMERSON-CUMMINGS INC CANTON MASS
M-WAVES ON AN ANISOTROPIC DIELECTRIC SLAB, OCT 1962
BY LUOMA F J
WASON S J
DDC NUMBER 411259
INSTRUMENT AF 19<628>00463
PROJ/TASK 4600 04

AFCL 62 0777
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
ASPECT-SENSITIVE SPREAD AND MULTIPATH DELAY ON OFF-AZIMUTH
OF ARCTIC SIGNALS LARGELY ABOVE THE MUF, OCT 1962
PROC NATL CONF MIL ELECTRONICS 6TH WASH DC 26 JUN 1962
BY MARSH H S
SMIRALUS R A
CORNIFER R J
DDC NUMBER 298629
PROJ/TASK 5631

AFCL 62 0778
TRG INC SYOSSET N Y
RESONANCES OF THE FARRY-PEROT LASER, OCT 1962
BY BARONE S R
DDC NUMBER 293401
INSTRUMENT AF 19<604>08817
PROJ/TASK 464546451

AFCL 62 0779
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
CAUSALITY, PHYSICAL REALIZABILITY, AND STABILITY, OCT 1962
BY POST F J
DDC NUMBER 293844
PROJ/TASK 5635

AFCL 62 0780
CALIFORNIA U BERKELEY
FINAL REPORT, 1 JUN 1959 TO 31 MAY 1962, 1 JUN 1962
BY ABRGEM A B
AFCOER C A
DDC NUMBER 411803
INSTRUMENT AF 19<604>05466
PROJ/TASK 563256320

AFCL 62 0781
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
THE EXTERNAL FIELD PRODUCED BY AN ARBITRARY SLOT ON A
DIELECTRIC COATED ELLIPTIC CYLINDER, SEP 1962
BY YEM C W H
DDC NUMBER 291820
INSTRUMENT AF 19<604>06195
PROJ/TASK 4642 02

AFCL 62 0785
WASHINGTON U SEATTLE
RADIATION FROM SOURCES IN MAGNETOPLASMA WITH A SEPARATION
BOUNDARY, JUN 1962
BY TYRAS G
SWARM H M
ISHIMARU A
DDC NUMBER 297018
INSTRUMENT AF 19<604>04098
PROJ/TASK 5635 03

AFCL 62 0786
LIDPSALA U SWEDEN
ANALYSIS OF THE VARIATIONS OF THE MAGNETIC FIELD OF
LIGHTNING DISCHARGES AND VARIATIONS OF THE ELECTROMAGNETIC
FIELD AT DISTANCES FROM LIGHTNING DISCHARGES, 10 JUN 1962
BY NORINDER H
DDC NUMBER 298782
INSTRUMENT AF 61<052>00171
PROJ/TASK 463156311

AFCL 62 0789
ROYAL INST OF TECH STOCKHOLM SWEDEN
ON THE PERCEPTION OF SWEDISH CONSONANTS IN INTERVOCALIC
POSITION, 1 MAR 1962
BY OHMAN S
DDC NUMBER 298990
INSTRUMENT AF-EDAR -0082-62
PROJ/TASK 4610 02

AFCL 62 0790
ROYAL INST OF TECH STOCKHOLM SWEDEN
SPEECH ANALYSIS AND SYNTHESIS, 31 JAN 1962
BY FANT C G W
DDC NUMBER 298309
INSTRUMENT AF 61<052>00342
PROJ/TASK 4610 02

AFCL 62 0791
ROYAL INST OF TECH STOCKHOLM SWEDEN
DESCRIPTIVE ANALYSIS OF THE ACOUSTIC ASPECTS OF SPEECH
LOGOS 5 1 3-17 APR 62
BY FANT C G W
DDC NUMBER 404957
INSTRUMENT AF 61<052>00342
PROJ/TASK 4610 02

AFCL 62 0792
TEXAS U AUSTIN
A SOLUTION FOR ELF PROPAGATION IN THE EARTH-IONOSPHERE
CAVITY BOUNDED BY AN INHOMOGENEOUS, ANISOTROPIC
IONOSPHERIC MEDIUM, 31 OCT 1962
BY CHAPMAN C W
DDC NUMBER 297166
INSTRUMENT AF 19<604>08038
PROJ/TASK 5631 04

AFCL 62 0794
WASHINGTON U SEATTLE
UNIDIRECTIONAL WAVES IN ANISOTROPIC MEDIA AND THE
RESOLUTION OF THE THERMODYNAMIC PARADOX, SEP 1962
BY ISHIMARU A
DDC NUMBER 297019
INSTRUMENT AF 19<604>04098
PROJ/TASK 5635 01

AFCL 62 0795
NFW MEXICO INST OF MINING AND TECH SOCORRO
EXAMPLES OF PRODUCTS OF SUMS AND PRODUCTS, SEP 1962
BY SZF-HOU CHANG
LIH-JYH WENG
DDC NUMBER 296411
INSTRUMENT AF 19<604>07494
PROJ/TASK 4610 03

AFCL 62 0796
PARKER MATHEMATICAL LABS INC CARLISLE MASS
MATHEMATICAL DESCRIPTIONS OF POLARIZATION PART I
CLASSICAL DESCRIPTION, AUG 1962
BY ROWOME F H III
DDC NUMBER 294312
INSTRUMENT AF 19<604>07916
PROJ/TASK 4608 02

AFCL 62 0799
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
ABSORBING MATERIAL USING PARALLEL RESISTANCE SHEETS, 14
AUG 1962
BY SUFTAK R
GRIEMSMANN J W F
DDC NUMBER 294856
INSTRUMENT AF 19<604>07499
PROJ/TASK 4600 04

AFCL 62 0800
PENNSYLVANIA STATE U UNIVERSITY PARK
NIGHTTIME LOWER IONOSPHERE ELECTRON DENSITY MEASUREMENTS
BY RADIO WAVE PROPAGATION TO ASCENDING ROCKETS, 1 MAY 1962
BY MFCHELY F A
INSTRUMENT AF 19<604>04563
PROJ/TASK 8605 01

AFCL 62 0806
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
SPECTRAL AND SPATIAL MEASUREMENTS OF INFRARED RADIATION (C)
MAY 1962, SECRET
BY BLOCK L C
MARCOTT L P
FRERISO C C
DDC NUMBER 336569
PROJ/TASK 4904

AFCL 62 0808
PENNSYLVANIA STATE U UNIVERSITY PARK
NIGHTTIME ELECTRON DENSITY-HEIGHT PROFILES FROM 300 KC/S
POLARIZATION MEASUREMENTS, 15 JUN 1962
BY STEVENS C H
INSTRUMENT AF 19<604>04563
PROJ/TASK 8605 01

AFCL 62 0829
HARVARD U CAMBRIDGE MASS
ACTIVE NITROGEN AT HIGH PRESSURE, 15 FEB 1962
J CHEM PHYS 36 4 926-940 15 FEB 62
BY NOXON J F
INSTRUMENT AF 19<628>00310
PROJ/TASK 766176614

AFCL 62 0825
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
HANSCOM FIELD MASS
MEASUREMENT RANGE REQUIRED OF METEOROLOGICAL EQUIPMENT
FPA 1962
BY COHRT A
SALMFLA M
DDC NUMBER 404227
PROJ/TASK 8626

AFCL 62 0826
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
PROJECT FIREFLY, VOL IV (C), AUG 1962, SECRET
BY GOLOMR D
DDC NUMBER 335100
PROJ/TASK 7695

AFCL 62 0830
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
THE DEVELOPMENT OF AN OPERATIONAL CONTRAIL SUPPRESSION
SYSTEM (C), AUG 1962, CONFIDENTIAL
BY BIRSTEIN S J
DDC NUMBER 335314
PROJ/TASK 7695

AFCL 62 0831
RWISSELAER POLYTECHNIC INST TROY N Y
THEORETICAL ANALYSIS OF ELECTROCHEMICAL ENERGY CONVERSION
SYSTEMS, 10 JUL 1962
BY GREENE C R
GREENE H D
INSTRUMENT AF 19<604>08377
PROJ/TASK 689466946

AFCL 62 0836
PENNSYLVANIA STATE U UNIVERSITY PARK
INTERPRETATION OF THE SIMULTANEOUS PHASE AND AMPLITUDE
FLUCTUATIONS OF IONOSPHERICALLY REFLECTED 60 KC/S RADIO
WAVES
BY SAWCHICK W
INSTRUMENT AF 19<604>04563
PROJ/TASK 8605 01

APCRL 62 0897
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 HEAT TRANSFER PROBE AS A TECHNIQUE TO DEMONSTRATE HMD
 CONTAINMENT, JUL 1962.
 BY RATHJFN K A DDC NUMBER 288699
 INSTRUMENT AF 19C628>00221
 PROJ/TASK 860886081

APCRL 62 0898
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 AN EXPERIMENTAL STUDY OF A HIGH DENSITY PLASMA
 IN A MAGNETIC PIPE, JUL 1962
 BY SCHNEIDFMAN A M DDC NUMBER 288698
 INSTRUMENT AF 19C628>00221
 PROJ/TASK 860886081

APCRL 62 0899
 TENNESSEE U KNOXVILLE
 A REINVESTIGATION OF THE INFRARED SPECTRUM OF METHYL
 CHLORIDE, AUG 1962
 BY HOLLADAY T M INSTRUMENT AF 19C604>07801
 PROJ/TASK 7670 02

APCRL 62 0897
 TEXAS COLL OF A AND M COLLEGE STATION
 TIME CHANGES IN A TEMPERATURE LATITUDE CLOUD AND WEATHER
 SYSTEM AS REVEALED BY METEOROLOGICAL SATELLITE DATA
 1 AUG 1962
 BY RANDERSON D DDC NUMBER 294810
 INSTRUMENT AF 19C604>08450
 PROJ/TASK 669866982

APCRL 62 0899
 SYRACUSE U N Y
 1. RESEARCH CONCERNING INFRARED EMISSIVITY II,
 ATMOSPHERIC OPTICAL NOISE MEASUREMENTS, 15 AUG 1962
 BY PAULSON B ELLIS F
 GINSBURG N INSTRUMENT AF 19C604>03908
 PROJ/TASK 7670 03

APCRL 62 0872
 BAYLOR U WACO TX
 THE MECHANISM OF OXIDATION OF LOW MOLECULAR WEIGHT ORGANIC
 COMPOUNDS AT PLATINUM ELECTRODES IN AQUEOUS SOLUTIONS
 AUG 1962
 BY FRANKLIN T C LIANG C INSTRUMENT AF 19C604>08414
 PROJ/TASK 669466946

APCRL 62 0875
 PERKINS CORP BALTIMORE MD
 DEVELOPMENT OF A ROCKETSONDE INSTRUMENT PACKAGE FOR HIGH
 ALTITUDE METEOROLOGICAL SOUNDING, JUL 1962
 BY STODENHURF J M MCCOY B T
 GREENE D R DDC NUMBER 294613
 INSTRUMENT AF 19C604>08433
 PROJ/TASK 667066703

APCRL 62 0877
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 OPTICAL PHYSICS LAB L G MANSFORD FIELD MASS
 TABLES OF THE BLACKBODY RADIATION FUNCTION FOR WAVENUMBER
 CALCULATIONS, SEP 1962
 BY WALKER R G DDC NUMBER 293842
 PROJ/TASK 4904

APCRL 62 0879
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 CONTINUED NUMERICAL STUDIES ON UNDERGROUND NUCLEAR
 DETECTION AND FURTHER DIGITIZED SEISMIC DATA, 30 JUN 1963
 BY SIMPSON S M JR INSTRUMENT AF 19C604>07378
 PROJ/TASK 8652 03

APCRL 62 0880
 POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
 PHOTOCHEMISTRY OF DYES, APR 1962
 BY OSTER G K KARB G
 DOBIN C INSTRUMENT AF 19C604>08016
 PROJ/TASK 669466940

APCRL 62 0881
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 BASIC SPECTRAL DATA FOR THE ROTATION BAND OF WATER VAPOR,
 SEP 1962
 BY KAPLAN L D INSTRUMENT AF 19C604>07993
 PROJ/TASK 8603 03

APCRL 62 0886
 MICHIGAN U ANN ARBOR
 THE NATURE OF HIGH FREQUENCY EARTH NOISE
 BY FRANTTI G P INSTRUMENT AF 19C628>00200
 PROJ/TASK 865286524

APCRL 62 0887
 PENNSYLVANIA STATE U UNIVERSITY PARK
 A STATISTICAL STUDY OF APPARENT HORIZONTAL IONOSPHERIC
 MOVEMENTS USING 300 KC/S RADIO WAVES, 1 OCT 1962
 BY HAI-SUP INSTRUMENT AF 19C604>04563
 PROJ/TASK 8603 01

APCRL 62 0888
 GEORGETOWN U WASHINGTON D C
 RESEARCH DIRECTED TOWARD GODETIC APPLICATIONS OF
 ARTIFICIAL SATELLITES, NOV 1961.
 BY HAYDEN F J INSTRUMENT AF 19C604>04155
 PROJ/TASK 760076070

APCRL 62 0889
 KAMAN AIRCRAFT CORP COLORADO SPRINGS COLO
 TWO-POINT VARIABILITY OF WIND, JUL 1962
 BY BUPELL C E DDC NUMBER 292158
 INSTRUMENT AF 19C604>07282
 PROJ/TASK 862486242

APCRL 62 0890
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
 L G MANSFORD FIELD MASS
 VISUAL HIGH RESOLUTION OBSERVATIONS OF SUNSPOTS, SEP 1962.
 BY MCINTOSH P S PROJ/TASK 7649

APCRL 62 0892
 FORD MOTOR CO AERONAUTIC DIV NEWPORT BEACH CALIF
 RESEARCH IN GEODESY AND GRAVITY, COMPUTER PROGRAMS FOR
 ORBIT CORRECTION AND STATION LOCATION, AUG 1962.
 BY MILTON C G EVANS J F
 NICOLA L DDC NUMBER 419476
 INSTRUMENT AF 19C604>07253
 PROJ/TASK 860786071

APCRL 62 0894
 GENERAL DYNAMICS CORP ASTRONAUTICS SAN DIEGO CALIF
 MISSILE RADIATION IN THE LAUNCH PROBE CU>, 30 JUN 1962.
 SECRET. INSTRUMENT AF 19C604>05554

APCRL 62 0896
 PENNSYLVANIA STATE U UNIVERSITY PARK
 DATA ACCURACIES AND WEIGHTING FACTORS AT 50 MB,
 BY HOFFERMAN J R DDC NUMBER 289878
 INSTRUMENT AF 19C604>07261
 PROJ/TASK 864186418

APCRL 62 0897
 AERONAUTICAL ICING RESEARCH LABS ARCATA CALIF
 FOG STUDIES AT ARCATA, CALIFORNIA, UNDER OPERATION PEA
 SOUP 1960-1962, AUG 1962.
 INSTRUMENT AF 19C604>07210
 PROJ/TASK 760576057

APCRL 62 0898
 HAWAII U HONOLULU
 STRATOSPHERIC TEMPERATURE VARIATION OVER THE TROPICAL
 PACIFIC, AUG 1962.
 BY CRUZ M DE LA DDC NUMBER 288139
 INSTRUMENT AF 19C604>07229
 PROJ/TASK 8641 15

APCRL 62 0900
 GENERAL ELECTRIC CO ITHACA N Y
 ROCKET-BORNE IONOSOUNDER EQUIPMENT DEVELOPMENT, AUG 1962.
 BY HUMPHREY L C DDC NUMBER 290726
 INSTRUMENT AF 19C604>07221
 PROJ/TASK 4649 02

APCRL 62 0901
 PICKARD AND BURNS INC WALTHAM MASS
 RADIO WAVE REFLECTION STUDIES CU>, 15 OCT 1962, SECRET.
 BY NEUBURGER A WILLIAMS J C INSTRUMENT AF 19C604>08341
 PROJ/TASK 464946490

APCRL 62 0904
 EITEL-MCCULLOUGH INC SAN CARLOS CALIF
 SURFACE EXPLOSIONS ON SOLIDS BY HIGH-DENSITY ELECTRON
 BOMBARDMENT, OCT 1962.
 BY HILL D VOGEL S DDC NUMBER 292104
 INSTRUMENT AF 19C628>01606
 PROJ/TASK 4619 02

APCRL 62 0906
 GENERAL ELECTRIC CO SCHENECTADY N Y
 STUDY OF THE INTERACTION BETWEEN ELECTROMAGNETIC FIELDS
 AND PLASMAS, 14 SEP 1962.
 BY BREKON F-R ANDERSON J M DDC NUMBER 292714
 INSTRUMENT AF 19C628>00247
 PROJ/TASK 461946191

APCRL 62 0907
 NORTHWESTERN U BOSTON MASS
 DESIGN OF INPUT WAVEFORM TO YIELD TIME-LIMITED ORTHOGONAL
 OUTPUTS, SEP 1962.
 BY CAMPBELL J R DDC NUMBER 411224
 INSTRUMENT AF 19C604>07494
 PROJ/TASK 4610 03

APCRL 62 0908
 POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
 LEAKY WAVES IN ELECTROMAGNETIC PHENOMENA, 2 AUG 1962.
 BY OLINER A A DDC NUMBER 294831
 INSTRUMENT AF 19C604>07499
 PROJ/TASK 4600 04

APCRL 62 0909
 JOHNS HOPKINS U BALTIMORE MD
 REPRESENTATION AND ANALYSIS OF SIGNALS, PART XII, OCT 1962
 BY HUGGINS W H DDC NUMBER 411401
 INSTRUMENT AF 19C604>01941
 PROJ/TASK 563256323

APCRL 62 0910
 WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA
 ELECTRON SPIN-LATTICE RELAXATION AT DEFECT SITES. F
 CENTERS IN SYNTHETIC QUARTZ AT 3 KILOCYCLES, 11 OCT 1962.
 BY CASTLE J G JR FLOMAN D W
 KLEMENS P G WELLS R A DDC NUMBER 297825
 INSTRUMENT AF 19C628>01640
 PROJ/TASK 4608 03

APCRL 62 0911
 WFLAR INC FALLS CHURCH VA
 INVESTIGATION OF SPEECH PROCESSING STUDIES, OCT 1962.
 BY FARLY D M STRAIGHT M A
 KING D C DDC NUMBER 295171
 INSTRUMENT AF 19C628>00214
 PROJ/TASK 4610 02

APCRL 62 0912
 TENNESSEE U KNOXVILLE
 PARASTIC EXCITATION OF CONCENTRIC RING CIRCULAR ANTENNA
 ARRAYS, 15 OCT 1962.
 BY STEPHENS D R TILLMAN J D DDC NUMBER 293866
 INSTRUMENT AF 19C628>00288
 PROJ/TASK 4600 02

AFCL 62 0913
TENNESSEE U KNOXVILLE
RADIATION PATTERNS OF COMBINED CIRCULAR LOOP AND CIRCULAR
DIPOLE ANTENNA ARRAYS, 15 OCT 1962.
BY CHI-MAU CHFN
DDC NUMBER 293867
INSTRUMENT AF 19<628>00288
PROJ/TASK 4600 02

AFCL 62 0914
TENNESSEE U KNOXVILLE
ON SYNTHESIS OF ISOTROPIC PATTERNS WITH CONCENTRIC RING
CIRCULAR ARRAYS, 15 OCT 1962.
BY ZAIDI S H R
DDC NUMBER 293868
INSTRUMENT AF 19<628>00288
PROJ/TASK 4600 02

AFCL 62 0915
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
STUDIES IN THE THEORY OF SWITCHING CIRCUITS, 11 JUL 1962.
BY SMITH F J
DDC NUMBER 293869
INSTRUMENT AF 19<604>08620
PROJ/TASK 563256323

AFCL 62 0916
LONDON U COLL ENGLAND
COMPUTER PROCESSING OF ACOUSTIC AND LINGUISTIC INFORMATION
IN AUTOMATIC SPEECH RECOGNITION, 31 MAR 1962.
BY DENFS P
DDC NUMBER 293449
INSTRUMENT AF 61<514>01176
PROJ/TASK 4600
PROJ/TASK 461046102

AFCL 62 0917
STANFORD RESEARCH INST MENLO PARK CALIF
A RADIOLOGRAPHY OF GROUP III-V COMPOUNDS, VOL III.
BY FREDRICKS W J
DDC NUMBER 294727
INSTRUMENT AF 19<604>07231
PROJ/TASK 5620 01

AFCL 62 0918
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
THEORETICAL AND EXPERIMENTAL STUDY OF THE COMBINED HALL-
MAGNETO RESISTANCE EFFECT, 31 OCT 1962.
BY CHANG K K M
DDC NUMBER 296133
INSTRUMENT AF 19<628>00262
PROJ/TASK 464546450

AFCL 62 0919
CASE INST OF TECH CLEVELAND OHIO
QUARTERLY PROGRESS REPORT, 1 JAN TO 31 MAR 1962, JUN 1962.
BY UNZ M
DDC NUMBER 292990
INSTRUMENT AF 19<604>03887
PROJ/TASK 563556351

AFCL 62 0920
CASE INST OF TECH CLEVELAND OHIO
QUARTERLY PROGRESS REPORT, 1 APR TO 30 JUN 1962, JUL 1962.
BY UNZ M
DDC NUMBER 292991
INSTRUMENT AF 19<604>03887
PROJ/TASK 563556351

AFCL 62 0921
NEW YORK U NEW YORK
FEDORACE COMMUNICATION SYSTEMS, 14 NOV 1962.
BY SHOOTER D
DDC NUMBER 292119
INSTRUMENT AF 19<604>06168
PROJ/TASK 4610 03

AFCL 62 0923
DOUGLASS E I ASSOC INC CHATHAM N J
A QUANTITATIVE STUDY OF THE EVOLUTION OF GASES FROM
ELECTRON TUBES AND MATERIALS, 31 OCT 1962.
BY GRUBBS W J
DDC NUMBER 297055
INSTRUMENT AF 19<628>00326
PROJ/TASK 461946199

AFCL 62 0924
RAYTHEON CO WALTHAM MASS
INVESTIGATION OF EFFECTS OF ION-INDUCED DEFECTS ON SURFACE
REACTIONS. THE ADSORPTION OF OXYGEN ON GALLIUM ANTIMONIDE,
19 OCT 1962.
BY SHOOTER D
DDC NUMBER 293265
INSTRUMENT AF 19<604>08004
PROJ/TASK 5620 03

AFCL 62 0925
WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA
STUN TUNER IMPEDANCE MATCHING IN A HELIX CRYSTAT, 9 OCT
1962.
BY DE KLFRE J
DDC NUMBER 411375
INSTRUMENT AF 19<604>08826
PROJ/TASK 4600 03

AFCL 62 0926
WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA
A SIMPLE METHOD OF PROTECTING A SUPERHETERODYNE RECEIVER
FROM PARALYSIS DURING PULSED RF APPLICATIONS, 10 OCT 1962.
BY DE KLFRE J
DDC NUMBER 411372
INSTRUMENT AF 19<604>08826
PROJ/TASK 4600 03

AFCL 62 0927
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
MAXIMIZING THE PERFORMANCE OF PHOTOCONDUCTORS.
BY ANDERSON W M
DDC NUMBER 295659
INSTRUMENT AF 19<604>08353
PROJ/TASK 4608 04

AFCL 62 0928
NEW YORK U NEW YORK
THE FIELD OF A DIPOLE ABOVE AN INFINITE CORRUGATED PLANE,
NOV 1962.
BY CHI T S
DDC NUMBER 406140
INSTRUMENT AF 19<604>05218
PROJ/TASK 5635 02

AFCL 62 0929
OXFORD U ENGLAND
THE RAISING OF ANGULAR MOMENTUM DEGENERACY OF F-ELECTRON
TERMS BY CUBIC CRYSTAL FIELDS, JAN 1962.
BY LFA K R
DDC NUMBER 298739
INSTRUMENT AF 61<052>00125
PROJ/TASK 5621 04

AFCL 62 0930
OXFORD U ENGLAND
PARAMAGNETIC RESONANCE SPECTRUM OF DIVALENT IRON IN ZINC
FLUOSILICATE, FEB 1962.
BY RUMINS R S
DDC NUMBER 293848
INSTRUMENT AF 61<052>00125
PROJ/TASK 5621 04

AFCL 62 0931
RAYTHEON CO NORWOOD MASS
STUDY OF SATELLITE-BORNE HF RADAR, NOV 1962.
BY DESMOND R J
DDC NUMBER 334737
INSTRUMENT AF 19<604>08827
PROJ/TASK 464946491

AFCL 62 0932
CASE INST OF TECH CLEVELAND OHIO
STUDY OF CONTROL OF APERTURE FIELDS, 31 OCT 1962.
BY PATTON J F
DDC NUMBER 292989
INSTRUMENT AF 19<604>03887
PROJ/TASK 463556351

AFCL 62 0933
STANFORD RESEARCH INST MENLO PARK CALIF
DEVELOPMENT OF X-RAY FLUORESCENCE ANALYSIS TECHNIQUES FOR
SMALL SAMPLES. A PROTOTYPE ATMOSPHERIC ELECTRON PROBE,
31 OCT 1962.
BY PASKELL T O
DDC NUMBER 293426
INSTRUMENT AF 19<604>08827
PROJ/TASK 4619 01

AFCL 62 0935
RAYTHEON CO WALTHAM MASS
INVESTIGATION OF EFFECTS OF ION-INDUCED DEFECTS ON SURFACE
REACTIONS - THE SPUTTERING OF COMPOUNDS, SEP 1962.
BY WOLSKY S
DDC NUMBER 294127
INSTRUMENT AF 19<604>08004
PROJ/TASK 5620 03

AFCL 62 0936
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
DRIFTING PLASMA MAGNETO-IONIC THEORY FOR OBLIQUE INCIDENCE
31 OCT 1962.
BY UNZ M
DDC NUMBER 296403
INSTRUMENT AF 19<604>07270
PROJ/TASK 4691 02

AFCL 62 0937
AVCO CORP WILMINGTON MASS
POLAR CAP AND AURORAL ZONE ABSORPTION EVENTS DURING THE
FIRST SIX MONTHS OF THE IGY.
BY HILL G F
DDC NUMBER 294127
INSTRUMENT AF 19<604>04092
PROJ/TASK 4603 04

AFCL 62 0938
CALIFORNIA U BERKELEY
A STATISTICAL ANALYSIS OF THE SYNCHRONIZATION OF DIGITAL
RECEIVERS, 11 APR 1962.
BY KANEKO M
DDC NUMBER 411994
INSTRUMENT AF 19<604>05466
PROJ/TASK 563256320

AFCL 62 0939
CALIFORNIA U BERKELEY
A FEW PROBABILISTIC PROPERTIES OF MODULAR CIRCUITS, 30 APR
1962.
BY KANEKO M
DDC NUMBER 403466
INSTRUMENT AF 19<604>05466
PROJ/TASK 563256320

AFCL 62 0940
NEW YORK U NEW YORK
THE APPLICATION OF CERTAIN RULER CONSTRUCTIONS TO THE
POINCARÉ AND CAYLEY-KLEIN MODELS OF HYPERBOLIC GEOMETRY,
7 JUL 1962.
BY KAPLAN L J
DDC NUMBER 298048
INSTRUMENT AF 19<604>07486
PROJ/TASK 5635 01

AFCL 62 0943
NEW YORK U NEW YORK
SCATTERING OF SHORT WAVES, NOV 1962.
BY KELLER J R
DDC NUMBER 298048
INSTRUMENT AF 19<604>03495
PROJ/TASK 5631 04

AFCL 62 0944
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH, 31 OCT 1962.
BY WETSBURG L R
DDC NUMBER 297417
INSTRUMENT AF 19<604>06152
PROJ/TASK 460846088

AFCL 62 0945
OXFORD U ENGLAND
INVESTIGATION INTO THE ORIGIN OF CRYSTALLINE ELECTRIC
FIELD EFFECTS ON RARE EARTH IONS. I. CONTRIBUTION FROM
NEIGHBORING INDUCED MOMENTS, AUG 1962.
BY HUTCHINGS M T
DDC NUMBER 298722
INSTRUMENT AF 61<052>00125
PROJ/TASK 5621 04

AFCL 62 0946
LITTON INDUSTRIES WALTHAM MASS
INVESTIGATION OF AUTOMATION OF SPEECH PROCESSING FOR
VOICE COMMUNICATIONS, 15 JUL 1961 THROUGH 14 OCT 1962.
BY SFAFSTEIN G S
DDC NUMBER 295571
INSTRUMENT AF 19<604>08828
PROJ/TASK 4610 02

AFCL 62 0967
 LONDON U COLL ENGLAND
 A STUDY OF THE REPRESENTATION OF ENGLISH VOWEL PHONEMES
 IN THE ORTHOGRAPHY.
 LANGUAGE SPFFCH 5 2 67-117 APR-JUN 1962
 BY HIGGINBOTTOM E M
 DDC NUMBER 403579
 INSTRUMENT AF 61<514>01176
 PROJ/TASK 4600
 PROJ/TASK 4610 02

AFCL 62 0968
 LONDON U COLL ENGLAND
 FURTHER STUDIES IN INTONATION.
 LANGUAGE SPFFCH 5 1 JAN-MAR 1962
 BY DINES P
 MILTON-WILLIAMS J
 DDC NUMBER 403578
 INSTRUMENT AF 61<514>01176
 PROJ/TASK 4600
 PROJ/TASK 4610 02

AFCL 62 0969
 BROWN U PROVIDENCE R I
 INVESTIGATIONS OF SURFACE PROPERTIES OF SILICON AND OTHER
 SEMICONDUCTORS, NOV 1962.
 BY FARNWORTH M F
 DILLON J A JR
 DDC NUMBER 295674
 INSTRUMENT AF 19<604>05986
 PROJ/TASK 562056206

AFCL 62 0969
 BROWN U PROVIDENCE R I
 WORK FUNCTION AND OXYGEN ADSORPTION PROPERTIES OF NIOBIUM
 CRYSTALS, FEB 1963.
 BY DILLON J A JR
 OMAN R M
 DDC NUMBER 405928
 INSTRUMENT AF 19<604>05986
 PROJ/TASK 562056206

AFCL 62 0990
 TRG INC EAST BOSTON MASS
 APPLICATION OF FRESNEL ZONE THEORY TO MICROWAVE ANTENNA
 DESIGN, 15 NOV 1962.
 BY KAY A F
 DDC NUMBER 296973
 INSTRUMENT AF 19<604>08057
 PROJ/TASK 4600 02

AFCL 62 0991
 NATIONAL BUREAU OF STANDARDS BUILDING COLO
 THE RESONANT CHARACTERISTICS OF A CORRUGATED SPHERE, 23
 NOV 1962.
 BY WAIT J R
 JACKSON C M
 DDC NUMBER 405590
 INSTRUMENT PRO-61-568
 PROJ/TASK 563556350

AFCL 62 0992
 LEXINGTON LABS INC CAMBRIDGE MASS
 INVESTIGATION OF HIGH TEMPERATURE THERMAL EXPANSION
 DEVICES AND DESIGN OF A UNIT FOR USE WITH THERMAL IMAGE
 HEATING, 15 DEC 1962.
 BY FOLWELER R C
 DDC NUMBER 296633
 INSTRUMENT AF 19<628>01616
 PROJ/TASK 5634 01

AFCL 62 0993
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 L G HANSCOM FIELD MASS
 IMPROVED HIGH MASS RANGE RESOLUTION WITH AN OMEGATRON
 MASS SPECTROMETER, OCT 1962.
 BY BLOOM J M
 LUDINGTON C E
 PHIPPS R L
 DDC NUMBER 402906
 PROJ/TASK 5634

AFCL 62 0994
 HARVARD U CAMBRIDGE MASS
 SWITCHING PROPERTIES OF FERRITES AND GARNETS, 30 NOV 1962.
 BY RUBENSTEIN M
 DDC NUMBER 408946
 INSTRUMENT AF 19<604>05487
 PROJ/TASK 563356332

AFCL 62 0995
 COMPUTER ASSOC INC WORWUN MASS
 SUMMARY OF A METHOD FOR THE AUTOMATIC CONSTRUCTION OF
 SYNTAX DIRECTED COMPILERS, DEC 1962.
 BY WARSHALL R
 DDC NUMBER 296186
 INSTRUMENT AF 19<628>00419
 PROJ/TASK 4641 02

AFCL 62 0997
 HP ASSOC PALO ALTO CALIF
 INVESTIGATION OF HOT ELECTRON EMITTER, 1 SEP TO 30 NOV
 1962.
 DDC NUMBER 295746
 INSTRUMENT AF 19<628>01637
 PROJ/TASK 4608 06

AFCL 62 0998
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 L G HANSCOM FIELD MASS
 RADIATION PATTERN OF A SLIT IN A GROUND PLANE COVERED BY
 A PLASMA LAYER, DEC 1962.
 BY OHMURA M
 DDC NUMBER 298965
 PROJ/TASK 4642

AFCL 62 0999
 GEO-SCIENCE INC LEXINGTON MASS
 DEPTH RESISTIVITY INVESTIGATION IN NEBRASKA, DEC 1962.
 BY CANTWELL T
 DULANEY F N
 DDC NUMBER 294748
 INSTRUMENT AF 19<628>02351
 PROJ/TASK 4610 01

AFCL 62 0960
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 L G HANSCOM FIELD MASS
 EXPERIMENTAL TUNNEL-DIODE CONVERTER FOR CONVERSION OF
 X-BAND FREQUENCIES TO UHF, DEC 1962.
 BY BLAESER G H
 DDC NUMBER 404287
 PROJ/TASK 4610

AFCL 62 0961
 NEW YORK U NEW YORK
 THE FIELD OF A PULSED DIPOLE IN AN INTERFACE, DEC 1962.
 BY GARDNER C S
 KELLER J R
 DDC NUMBER 408470
 INSTRUMENT AF 19<604>05238
 PROJ/TASK 5635 02

AFCL 62 0963
 SOUTHERN CALIFORNIA U LOS ANGELES CALIF
 RADIATION FROM AN AXIALLY SLOTTED CYLINDER COATED WITH
 AN INHOMOGENEOUS DIELECTRIC SHEATH, DEC 1962.
 BY YEH C W H
 KAPRIELIAN Z A
 DDC NUMBER 297508
 INSTRUMENT AF 19<604>06195
 PROJ/TASK 4642 02

AFCL 62 0964
 INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
 A PROBLEM ORIENTED SYMBOLIC PROCESSOR, 20 DEC 1962.
 BY MULLERY A P
 SCHALFER R F
 RICE R
 DDC NUMBER 296962
 INSTRUMENT AF 19<628>01621
 PROJ/TASK 4641 05

AFCL 62 0965
 RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
 PRINCETON N J
 EVAPORATED THIN FILM DEVICES, 1 JUN THROUGH 30 NOV 1962.
 DDC NUMBER 296929
 INSTRUMENT AF 19<628>01617
 PROJ/TASK 4608 04

AFCL 62 0966
 DENMARK TECHNICAL U COPENHAGEN
 RECEPTION OF SKYWAVE SIGNALS NEAR A COASTLINE, SEP 1962.
 BY ANDERSEN I R
 INSTRUMENT AF 61<052>00503
 PROJ/TASK 5635 02

AFCL 62 0967
 NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY
 ON THE NETWORK DESCRIPTION OF ELECTROMAGNETIC FIELD
 PROBLEMS, 12 OCT 1962.
 BY TONNING A
 DDC NUMBER 411503
 INSTRUMENT AF 61<052>00484
 PROJ/TASK 5635 01

AFCL 62 0968
 CHALMERS INST OF TECH GOTHENBURG SWEDEN
 DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA.
 VI. REFLECTION OF ELECTROMAGNETIC WAVES FROM AN IONIZED
 STREAM IN THE PRESENCE OF A HIGH POWER PRIMARY WAVE, 1962.
 BY WILHELMSSON K H B
 DDC NUMBER 298299
 INSTRUMENT AF 61<052>00451
 PROJ/TASK 5561 01

AFCL 62 0969
 CHALMERS INST OF TECH GOTHENBURG SWEDEN
 DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA.
 VII. SCATTERING OF ELECTROMAGNETIC WAVES BY AN ANISOTROPIC
 MEDIUM WITH A HARMONICALLY TIME-VARYING DIELECTRIC TENSOR,
 1962.
 BY WILHELMSSON K H B
 DDC NUMBER 298565
 INSTRUMENT AF 61<052>00451
 PROJ/TASK 5561 01

AFCL 62 0970
 SOUTHERN CALIFORNIA U LOS ANGELES CALIF
 THE KINETIC THEORY OF WAVES IN A WARM PLASMA EXCITED BY
 CURRENT SOURCES, DEC 1962.
 BY RUEHL M H
 INSTRUMENT AF 19<604>06195
 PROJ/TASK 4642 02

AFCL 62 0971
 TYCO LABS INC WALTHAM MASS
 THE TRAVELLING SOLVENT METHOD OF CRYSTAL GROWTH, 15 DEC
 1962.
 BY GRIFFITHS L R
 WRIGHT M A
 MLYASKY A I
 INSTRUMENT AF 19<604>08803
 PROJ/TASK 4608 04

AFCL 62 0972
 CASE INST OF TECH CLEVELAND OHIO
 VARIATIONS ON THE FIALKOV-GERST SYNTHESIS TECHNIQUE, DEC
 1962.
 BY KODALI V P
 INSTRUMENT AF 19<628>01699
 PROJ/TASK 5635 02

AFCL 62 0973
 PARKE MATHEMATICAL LABS INC CARLISLE MASS
 ELECTRON STRAGGLING THEORY AND CALCULATION, AUG 1962.
 BY PARKE N G III
 DDC NUMBER 296934
 INSTRUMENT AF 19<604>07316
 PROJ/TASK 4608 02

AFCL 62 0974
 NEW YORK U NEW YORK
 A REPRESENTATION FOR CERTAIN LOSSLESS 2N-PORTS, 1 NOV 1962
 BY STOCK D J R
 KAPLAN I I
 DDC NUMBER 298043
 INSTRUMENT AF 19<604>07486
 PROJ/TASK 5635 01

AFCL 62 0975
 HUGHES AIRCRAFT CO CULVER CITY CALIF
 SPATIAL FREQUENCY CHARACTERISTICS OF FINITE APERTURE
 ANTENNAS, JUL 1962.
 BY KLEINER A
 DDC NUMBER 298301
 INSTRUMENT AF 19<628>00333
 PROJ/TASK 4600 06

AFCL 62 0976
 HUGHES AIRCRAFT CO CULVER CITY CALIF
 RADIATION THROUGH CYLINDRICAL PLASMA SHEATHS, AUG 1962.
 BY HARRIS J H
 DDC NUMBER 297788
 INSTRUMENT AF 19<604>08386
 PROJ/TASK 4600 01

AFRL 62 1000
PENNSYLVANIA STATE U UNIVERSITY PARK
METHODS FOR REDUCING THE BANDWIDTH REQUIRED FOR AN
IONOSPHERIC PROBE EXPERIMENT, 1 SEP 1962.
BY HACKMAN W H
INSTRUMENT AF 19C604>08012
PROJ/TASK 8605 01

AFRL 62 1006
PENNSYLVANIA STATE U UNIVERSITY PARK
IONOSPHERIC CURRENT PATTERNS IN HIGH LATITUDES, 15 OCT
1962.
BY FAIRFIELD D H
INSTRUMENT AF 19C604>04563
PROJ/TASK 8605 01

AFRL 62 1007
PENNSYLVANIA STATE U UNIVERSITY PARK
EXPERIMENTAL DETERMINATION OF THE CROSS SECTIONS FOR
DISSOCIATIVE ATTACHMENT OF ELECTRONS IN MOLECULAR IODINE
AND PHOTO-DETACHMENT OF ELECTRONS FROM NEGATIVE IONS OF
ATOMIC IODINE, 1 NOV 1962.
BY KFFRF W M
INSTRUMENT AF 19C604>04563

AFRL 62 1008
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
AN INTERFEROMETRIC MODULATION ORDER-SEPARATOR FOR A FAR
INFRARED SPECTROGRAPH, SEP 1962.
BY VANCE M F
DDC NUMBER 29706P
INSTRUMENT AF 19C604>04114
PROJ/TASK 860186033

AFRL 62 1012
CALIFORNIA U RIVERSIDE
PRESSURE AS A FUNCTION OF DISTANCE, II.
BY DAVID E N
GUPTA M K
DDC NUMBER 28887Z
INSTRUMENT AF 19C 36>08051
PROJ/TASK 862486.42

AFRL 62 1013
PENNSYLVANIA STATE U UNIVERSITY PARK
A COMPARISON OF DATA ACCURACY IN THE TROPOSPHERE AND IN
THE STRATOSPHERE, SEP 1962.
BY HOVERMAYL J B
DDC NUMBER 289876
INSTRUMENT AF 19C604>07261
PROJ/TASK 864186414

AFRL 62 1017
GEORGETOWN U WASHINGTON D C
RESEARCH DIRECTED TOWARD GEODETIC MEASUREMENTS BY
OBSERVATIONS OF SOLAR ECLIPSES, NOV 1961.
BY HEYDEN F J
BALDINI A
MATTINGLY D
DDC NUMBER 291670
INSTRUMENT AF 19C604>02229
PROJ/TASK 760076007

AFRL 62 1018
HARRINGER RESEARCH LTD WINDSOR ONTARIO CANADA
DIAPHRAGM EXPERIMENTAL MEASUREMENTS, 31 AUG 1962.
BY HARRINGER A R
CRONE J D
HRAY D
DDC NUMBER 288503
INSTRUMENT AF 19C628>00443
PROJ/TASK 762876294

AFRL 62 1019
MASSACHUSETTS INST OF TECH CAMBRIDGE
APPLICATION OF RADAR DATA TO FORECASTING OF TECHNICAL
WEATHER CONDITIONS, SEP 1962.
BY AUSTIN P W
DDC NUMBER 293421
INSTRUMENT AF 19C604>04220
PROJ/TASK 866186414

AFRL 62 1020
MASSACHUSETTS INST OF TECH CAMBRIDGE
THE LINEAR PREDICTABILITY OF PRECIPITATION, SEP 1962.
BY NOFL T M
INSTRUMENT AF 19C604>05220
PROJ/TASK 864186414

AFRL 62 1021
MICHIGAN U ANN ARBOR
STUDY OF THE ROCKET-SOUNDING METHODS OF MEASURING THE
UPPER ATMOSPHERE (SOME GAS KINETIC PROBLEMS PERTAINING
TO THE UPPER ATMOSPHERIC MEASUREMENTS), AUG 1962.
BY LIU V C
DDC NUMBER 29554Z
INSTRUMENT AF 19C604>05477
PROJ/TASK 669066904

AFRL 62 1022
NEW YORK U NEW YORK
THE WIND SPECTRA OF THE TROPOSPHERE AND LOWER STRATOSPHERE
OVER NORTH AMERICA, SEP 1962.
BY WAN-CHENG CHIU
CRITCHER H L
DDC NUMBER 291793
INSTRUMENT AF 19C604>06146
PROJ/TASK 864586453

AFRL 62 1023
NEW YORK U NEW YORK
SOME SELECTED STUDIES ON THE WIND AND TEMPERATURE FIELDS
OF THE TROPOSPHERE AND LOWER STRATOSPHERE, AUG 1962.
BY WAN-CHENG CHIU
INSTRUMENT AF 19C604>06146
PROJ/TASK 864586453

AFRL 62 1030
HARVARD U CAMBRIDGE MASS
A LONG-TERM NORTH-SOUTH ASYMMETRY IN THE LOCATION OF SOLAR
SOURCES OF GREAT GEOMAGNETIC STORMS, ON THE UNEQUAL
SPOTTEDNESS OF THE TWO SOLAR HEMISPHERES, ON SHORT-PERIOD
RELATIONS BETWEEN NORTH-SOUTH ASYMMETRY IN SPOTTEDNESS AND
IN GREAT-STORM SOURCES, NOV 1962.
BY RELL R
WOLBACH J G
DDC NUMBER 294883
INSTRUMENT AF 19C604>04942
PROJ/TASK 764976490

AFRL 62 1036
SASKATCHEWAN U SASKATOON CANADA
STUDIES OF AURORAL HYDROGEN EMISSIONS IN WEST-CENTRAL
CANADA. I. TIME AND GEOGRAPHICAL VARIATIONS.
BY MONTBRIANT L F
JONES A V
DDC NUMBER 403476
INSTRUMENT AF 19C604>07261
PROJ/TASK 766176612

AFRL 62 1037
SASKATCHEWAN U SASKATOON CANADA
METALLIC EMISSIONS IN THE TWILIGHT AND THEIR BEARING ON
ATMOSPHERIC DYNAMICS.
BY JONES A V
DDC NUMBER 412548
INSTRUMENT AF 19C604>07261
PROJ/TASK 766176612

AFRL 62 1038
SASKATCHEWAN U SASKATOON CANADA
OBSERVATION OF THE K(OID) BAND OF THE SYSTEM OF O₂ IN THE
DAY AND TWILIGHT AIRGLOW.
BY NIXON J F
JONES A V
DDC NUMBER 404974
INSTRUMENT AF 19C604>07261
PROJ/TASK 766176612

AFRL 62 1039
HARVARD U CAMBRIDGE MASS
MEASURED VARIATION OF THE ELECTRONIC TRANSITION MOMENT OF
THE VEGARD-KAPLAN BANDS IN N₂.
BY CARLETON N P
PAPALIOULOS C
INSTRUMENT AF 19C628>00310
PROJ/TASK 766176614

AFRL 62 1040
HARVARD U CAMBRIDGE MASS
LIFETIME OF THE LOWEST EXCITED LEVEL OF N₂.
BY CARLETON N P
OLDENBERG D
INSTRUMENT AF 19C628>00310
PROJ/TASK 766176614

AFRL 62 1041
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
MOLECULAR ORBITALS FOR N₂ BASED ON CENTRAL POTENTIALS
AVERAGE HAMILTONIAN AND CORRELATION THEORY, SEP 1962.
BY PEEK J M
LASKETRE F N
DDC NUMBER 29074Z
INSTRUMENT AF 19C604>04541
PROJ/TASK 763576353

AFRL 62 1043
COLUMBIA U NEW YORK N Y
SEISMIC WAVES COUPLED TO SONIC BOOMS.
GEOPHYSICS 27 4 AUG 1962
BY OLIVER J
ISACKS B
INSTRUMENT AF 19C604>07376
PROJ/TASK 865286522

AFRL 62 1047
NEW MEXICO INST OF MINING AND TECH SOCORRO
CALCULATION OF THERMOPOWER FACTORS FOR A PLASMA AND A
METAL.
BY DAVIS J
LANZA G
DDC NUMBER 291411
INSTRUMENT AF 19C604>07358
PROJ/TASK 669466940

AFRL 62 1048
NEW YORK U NEW YORK
THE STATIC APPROXIMATION AND ROUNDS ON SINGLE CHANNEL
PHASE SHIFTS.
BY MAMM Y
OMALLEY T F
SPRUHC L
DDC NUMBER 403903
INSTRUMENT AF 19C604>06553
PROJ/TASK 763576361

AFRL 62 1051
RENSSELAER POLYTECHNIC INST TROY N Y
ELECTROCHEMICAL BEHAVIOR OF A PALLADIUM HYDROGEN DIFFUSION
ELECTRODE, 25 SEP 1962.
BY LFERER L
GREENE M D
DDC NUMBER 296569
INSTRUMENT AF 19C604>08377
PROJ/TASK 669466946

AFRL 62 1052
DARTMOUTH COLL HANOVER N H
THERMAL HISTORY AND GROWTH OF THE WARD HUNT ICE SHELF,
JUL 1962.
BY LYONS J B
RAGLE R W
DDC NUMBER 407531
INSTRUMENT AF 19C604>09366
PROJ/TASK 762876282

AFRL 62 1053
AF CAP AIR FORCE CAMBRIDGE RESEARCH LABS
OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
A RADIOLIOGRAPHY OF THE ELECTRICALLY EXPLODED CONDUCTOR
PHENOMENON, OCT 1962.
BY CHAFF W G
WATSON F W
DDC NUMBER 299253
PROJ/TASK 8608

AFRL 62 1054
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
AURORAL ZONE SATELLITE SCINTILLATION STUDIES, 10 JUL 1962.
BY LISZKA L
DDC NUMBER 298574
INSTRUMENT AF 61C052>00601
PROJ/TASK 4643

AFRL 62 1056
HARVARD U CAMBRIDGE MASS
EFFECTIVE AREA OF SATELLITE-BORNE ANTENNAS FOR RADIO
ASTRONOMY, AUG 1962.
BY SANDLER S S
DDC NUMBER 295600
INSTRUMENT AF 19C604>06120
PROJ/TASK 8605 05

AFRL 62 1057
HARVARD U CAMBRIDGE MASS
THEORY OF THE Z-PHON PROPAGATION, AUG 1962.
BY PAPAGIANNIC M D
DDC NUMBER 295694
INSTRUMENT AF 19C604>06120
PROJ/TASK 8605 05

AFRL 62 1058
HARVARD U CAMBRIDGE MASS
ANTENNA STUDY FOR Z-MODE SPACE RADIO PROGRAM, AUG 1962.
RY SANDLER S S
DDC NUMBER 295601
INSTRUMENT AF 19C604>06170
PROJ/TASK 8605 05

AFRL 62 1059
HARVARD U CAMBRIDGE MASS
A Z-MODE SPACE RADIO PROGRAM, AUG 1962.
RY PAPAGIANNIS M D
MUGUENIN G R
DDC NUMBER 295579
INSTRUMENT AF 19C604>06170
PROJ/TASK 8605 05

AFRL 62 1062
HARVARD U CAMBRIDGE MASS
SOLAR PROMINENCE ACTIVITY, 1944-1954, DEC 1962.
RY WENZEL D H
JONES F S
DDC NUMBER 407858
INSTRUMENT AF 19C604>04962
PROJ/TASK 764976490

AFRL 62 1064
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
A SONIC ANEMOMETER FOR THE STUDY OF TURBULENT WIND LOADING
ON MISSILES, OCT 1962.
RY KATHAL J C
DDC NUMBER 294546
PROJ/TASK 7655

AFRL 62 1066
HARVARD U CAMBRIDGE MASS
ON THE ASSOCIATION BETWEEN DISE STORMS AND SOLAR FLARES,
TYPE V BURSTS AND THEIR ASSOCIATION WITH FLARES, AND
ADDENDA TO THE FLARE ASSOCIATION OF TYPE I BURSTS, DEC
1962.
RY SMITH F V P
MCINTOSH P S
DDC NUMBER 405498
INSTRUMENT AF 19C604>04961
PROJ/TASK 764976490

AFRL 62 1067
DARTMOUTH COLL HANOVER N H
SOME PHYSICAL AND CHEMICAL MEASUREMENTS ON ICE, WITH
REFERENCE TO THE HARD MOUNT CORES, 1 OCT 1962.
RY LYONS J B
PERSSON L F
DDC NUMBER 292089
INSTRUMENT AF 19C604>08766
PROJ/TASK 762876287

AFRL 62 1070
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
PREFAT ADVANCES IN THE USE OF THE ELECTRON SPECTROMETER,
SEP 1962.
RY LASSETTER F M
GLASER F M
MEYER W D
SKERRELF A
DDC NUMBER 289826
INSTRUMENT AF 19C604>04541
PROJ/TASK 763576357

AFRL 62 1071
ILLINOIS U URBANA
A STUDY OF PROFILES IN THE IONOSPHERE BY MEANS OF CYRO-
INTERACTION EXPERIMENTS CARRIED OUT WITH ROCKETS, AUG 1962.
RY HODGES R R
DALMAIN K G
DESCHAMPS G A
VERDEVEN J T
DDC NUMBER 295851
INSTRUMENT AF 19C604>05565
PROJ/TASK 8653 05

AFRL 62 1072
AVCO CORP WILMINGTON MASS
FORWARD SCATTER RESULTS <FIREFLY>, 22 OCT 1962.
RY WERMAN J R
NOFL Y M
DDC NUMBER 333612
INSTRUMENT AF 19C628>00275

AFRL 62 1073
CALIFORNIA U LOS ANGELES
FURTHER STUDIES OF NUMERICAL ERRORS IN THE INTEGRATION OF
BAROTROPIC FLOW ON A SPHERICAL GRID, 31 DEC 1962.
RY GATES W L
RIEGL C A
DDC NUMBER 296167
INSTRUMENT AF 19C604>06149
PROJ/TASK 8624 03

AFRL 62 1074
STANFORD U CALIF
SYNCHROTRON EMISSION FROM HIGH ENERGY ELECTRONICS, OCT
1962.
RY MOWER G L
DDC NUMBER 299436
INSTRUMENT AF 19C604>07994
PROJ/TASK 766176615

AFRL 62 1075
CHICAGO U ILL
THE STUDY OF HYDROMAGNETIC PROBLEMS BEARING ON
GEOMAGNETISM.
DDC NUMBER 417336
INSTRUMENT AF 19C604>02046
PROJ/TASK 8600 04

AFRL 62 1076
BROWN U PROVIDENCE R I
RESEARCH DIRECTED TOWARD THE STUDY OF HYDRODYNAMIC
STABILITIES.
INSTRUMENT AF 19C604>07236
PROJ/TASK 8600 04

AFRL 62 1077
LONDON U COLL ENGLAND
RESEARCH ON EFFECTS OF ELECTRON COLLISIONS IN ATMOSPHERIC
GASES, 14 FEB 1962.
RY LUNT R W
DDC NUMBER 298701
INSTRUMENT AF 61C02>00110
PROJ/TASK 8617

AFRL 62 1078
CALIFORNIA U LOS ANGELES
THE EFFECT OF FINITE DIFFERENCES ON THE GROWTH RATES OF
UNSTABLE WAVES IN A SIMPLE BAROCLINIC MODEL, 1 OCT 1962.
RY RIEGL C A
DDC NUMBER 296168
INSTRUMENT AF 19C604>06149
PROJ/TASK 8624 03

AFRL 62 1080
MASSACHUSETTS INST OF TECH CAMBRIDGE
BASIC RESEARCH ON ICE AND SNOW, 14 NOV 1962.
RY KINGERY W D
ADAMS C M JR
DDC NUMBER 271686
INSTRUMENT AF 19C604>05994
PROJ/TASK 862186231

AFRL 62 1082
WASHINGTON U SEATTLE
PART A, ON VALLEY AND MOUNTAIN WINDS - III, PART B, VALLEY
WIND THEORY, JUL 1962.
RY THYER N
RUETTNER K J K
DDC NUMBER 292639
INSTRUMENT AF 19C604>07201
PROJ/TASK 765576551

AFRL 62 1083
COLUMBIA U NEW YORK N Y
PERIOD EQUATION FOR RAYLEIGH WAVES IN A LAYER OVERLYING A
HALF SPACE WITH A SINUSOIDAL INTERFACE, OCT 1962.
RY KUD J Y
NAFF J F
DDC NUMBER 407549
INSTRUMENT AF 19C604>07376
PROJ/TASK 862862862

AFRL 62 1084
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
OPTICAL PHYSICS EAR L G HANSCOM FIELD MASS
STUDY OF RADIANT EXPOSURE FROM HIGH ALTITUDE NUCLEAR
WEAPON DETONATIONS (U), NOV 1962, SECRET-RESTRICTED DATA.
RY STAIR A T JR
CARPENTER J W
RAFFER D J
MANLEY D P
PROJ/TASK 7674

AFRL 62 1086
GEOPHYSICS CORP OF AMERICA BEDFORD MASS
INFTIC METHODS AND THE FREE EXPANSION PROBLEM, 15 NOV
1962.
RY FLORENCE F I
DDC NUMBER 291772
INSTRUMENT AF 19C628>00231
PROJ/TASK 8642

AFRL 62 1087
TEXAS U AUSTIN
A DIGITAL METEOROLOGICAL DATA-ACQUISITION SYSTEM, 10 SEP
1962.
RY MITCHAM W S
DDC NUMBER 292167
INSTRUMENT AF 19C604>04556
PROJ/TASK 765576551

AFRL 62 1088
COLUMBIA U NEW YORK N Y
GEOMAGNETIC OBSERVATIONS ON DRIFT STATION BRAVO, ARCTIC
OCEAN, NOV 1962.
RY WALKER J C G
DDC NUMBER 294631
INSTRUMENT AF 19C604>07442
PROJ/TASK 8621 04

AFRL 62 1089
NEW YORK U NEW YORK
A MODEL FOR THE STATISTICAL ATOM WITH NON-VANISHING
ANGULAR MOMENTUM.
RY SCHWARTZ J L
BORNWITZ S
DDC NUMBER 295053
INSTRUMENT AF 19C604>04555
PROJ/TASK 765576551

AFRL 62 1090
TENNESSEE U KNOXVILLE
INFRARED SPECTRUM OF HYDROGEN FLUORIDE - SHAPES, POSITIONS
AND INTENSITIES OF HIGH J LINES IN THE FUNDAMENTAL BAND,
RY FLORETH L F
DDC NUMBER 403541
INSTRUMENT AF 19C604>07081
PROJ/TASK 7670 02

AFRL 62 1091
MICHIGAN U ANN ARBOR
A STUDY OF RAINDROP-SIZE DISTRIBUTION AND THEIR VARIATION
WITH HEIGHT.
RY HARRY E R
DDC NUMBER 297368
INSTRUMENT AF 19C628>00281
PROJ/TASK 862086208

AFRL 62 1094
TEXAS A AND M RESEARCH FOUNDATION COLLEGE STATION
VERTICAL MOTION CALCULATIONS AND SATELLITE CLOUD
OBSERVATIONS OVER THE WESTERN AND CENTRAL UNITED STATES,
8 NOV 1962.
RY HANSEN J
DDC NUMBER 294970
INSTRUMENT AF 19C604>08640
PROJ/TASK 869866982

AFRL 62 1098
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
COLLECTION OF COMPUTER PROGRAMS APPLICABLE TO
METEOROLOGICAL DATA PROCESSING, NOV 1962.
RY MOUNT W D
BERTONI F A
LUND I A
DDC NUMBER 294738
PROJ/TASK 8624

AFRL 62 1105
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
PROPORTIONAL COUNTER SPECTROMETER FOR SOLAR X-RAYS BETWEEN
1 AND 10 ANGSTROMS, DEC 1962.
RY HEROUX L
MANSON J F
SMITH R
DDC NUMBER 298352
PROJ/TASK 8688

AFRL 62 1107
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
ON A THEORY OF TURBULENT DIFFUSION, DEC 1962.
RY CHARAM J
DDC NUMBER 292111
PROJ/TASK 8604

AFCR 62 1108
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 L G HANSCOM FIELD MASS
 COMPATIBILITY EVALUATION OF DATA HANDLING SUBSYSTEM, DEC 1962.
 BY HOWE H R DDC NUMBER 401104
 HERSHBERG P I PROJ/TASK 433L
 WENDNER W G
 GRIFFIN J R

AFCR 62 1109
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 L G HANSCOM FIELD MASS
 TRANSFORMATION OF THE EQUATIONS OF MOTION OF METEOROLOGY
 INTO ARBITRARY ORTHOGONAL COORDINATES, DEC 1962.
 BY LUIS F M DDC NUMBER 422410
 PROJ/TASK 8428

AFCR 62 1110
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 L G HANSCOM FIELD MASS
 WIND MEASURING SET AN/GMO-20 (V) SYSTEM EVALUATION, DEC 1962.
 BY PIERCE R M JR DDC NUMBER 298731
 PROJ/TASK 8639

AFCR 62 1111
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
 L G HANSCOM FIELD MASS
 SOLAR FLUX MEASUREMENTS, APR 1962. ANTENNA CONSIDERATIONS,
 DEC 1962.
 BY CASTELLI J P DDC NUMBER 298666
 PROJ/TASK 4643

AFCR 62 1112
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
 RESULTS FROM THE CONSERVATION LAWS FOR MAGNETOHYDRODYNAMIC
 FLOW, DEC 1962.
 BY HANO G I DDC NUMBER 298729
 PROJ/TASK 8608

AFCR 62 1113
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 TERRRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
 A USAF AIR BASE GRAVITY NETWORK, DEC 1962.
 BY THOMPSON L G D DDC NUMBER 298628
 HAWKINS C S PROJ/TASK 7600
 PERRY R M

AFCR 62 1114
 NEW YORK U NEW YORK
 PROBABILISTIC DYNAMICS, 30 JUN 1962.
 BY WOODRURY M A DDC NUMBER 299988
 INSTRUMENT AF 19<604>04981
 PROJ/TASK 86286281

AFCR 62 1116
 ARIZONA U TUCSON
 ELECTRICAL AND MAGNETIC PROPERTIES OF ORGANIC SOLIDS, 15
 NOV 1962.
 BY TOLLIN C DDC NUMBER 296273
 INSTRUMENT AF 19<604>08475
 PROJ/TASK 476947691

AFCR 62 1117
 HARVARD U CAMBRIDGE MASS
 SPECTRAL OBSERVATIONS OF SOLAR RADIO BURSTS, III,
 CONTINUUM BURSTS, DEC 1962.
 BY THOMPSON A R DDC NUMBER 405335
 WATFELL A INSTRUMENT AF 19<604>08380
 PROJ/TASK 764976492

AFCR 62 1120
 TEXAS INSTRUMENTS INC DALLAS
 RADAR ANALYSIS OF THE MOON, PHASE I - FEASIBILITY OF
 LABORATORY SIMULATION, 30 NOV 1962.
 BY KINSMAN F F DDC NUMBER 295704
 VAN LOPK J R INSTRUMENT AF 19<628>00480
 PROJ/TASK 7698 03

AFCR 62 1121
 ALBERTA U EDMONTON CANADA
 SEISMOLOGICAL MEASUREMENTS IN SOUTHERN ALBERTA, 1962.
 BY CUMMING G L DDC NUMBER 275729
 GARLAND G D INSTRUMENT AF 19<604>08470
 VIZOFF K PROJ/TASK 865286521

AFCR 62 1122
 STANFORD U CALIF
 DEFLECTION OF RELATIVISTIC PARTICLE STREAMS USING HIGH
 FREQUENCY RADIO WAVES, 26 NOV 1962.
 BY LUKIGAN R R DDC NUMBER 406879
 INSTRUMENT AF 19<604>07994
 PROJ/TASK 766176615

AFCR 62 1123
 OKLAHOMA STATE U RESEARCH FOUNDATION STILLWATER
 ROCKET RESEARCH, 28 DEC 1962.
 BY ZINN J B DDC NUMBER 297841
 INSTRUMENT AF 19<604>06648
 PROJ/TASK 765976597

AFCR 62 1124
 NEW YORK U NEW YORK
 OBLIQUE SHOCK WAVES IN STEADY TWO-DIMENSIONAL
 HYDROMAGNETIC FLOW, NOV 1962.
 BY BAKER J DDC NUMBER 298669
 ERICSON W R INSTRUMENT AF 19<604>06144
 PROJ/TASK 860086004

AFCR 62 1125
 NEW YORK U NEW YORK
 ANALYSIS OF THE TRANSITION REGION BETWEEN A UNIFORM PLASMA
 AND ITS CONFINING MAGNETIC FIELD, II, AUG 1962.
 BY MURPHY J DDC NUMBER 298643
 INSTRUMENT AF 19<604>06144
 PROJ/TASK 860086004

AFCR 62 1126
 AVCO CORP WILMINGTON MASS
 SCATTERING AND EXTINCTION COEFFICIENTS FOR SMALL ABSORBING
 AND NONABSORBING AEROSOLS, NOV 1962.
 BY PENNDORF R INSTRUMENT AF 19<604>09743
 PROJ/TASK 767076704

AFCR 62 1127
 LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
 A CASE STUDY OF THUNDERSTORMS ON AN OCCASION OF SMALL WIND
 SHEAR, SEP 1962.
 BY LUNLAN F H DDC NUMBER 293815
 INSTRUMENT AF 61<052>00254
 PROJ/TASK 862086204

AFCR 62 1128
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 ATMOSPHERIC MOMENTUM AND ENRGY CALCULATIONS FOR THE
 SOUTHERN HEMISPHERE DURING THE IGY, 1 JAN 1963.
 BY OMARI G O D DDC NUMBER 297501
 INSTRUMENT AF 19<604>06108
 PROJ/TASK 862086280

AFCR 62 1129
 ALLIED RESEARCH ASSOC INC CONCORD MASS
 OPERATIONAL ASPECTS OF DRY ICE PELLETT DISPENSING MACHINE
 IN CLOUD SEEDING EXPERIMENTS, 30 JUN 1962.
 BY SOUZA A F DDC NUMBER 298556
 INSTRUMENT AF 19<604>08802
 PROJ/TASK 669766971

AFCR 62 1130
 COLUMBIA U NEW YORK N Y
 TRANSIENT ANALYSIS OF SEISMIC CORE PHASES.
 BY LANDISMAN M DDC NUMBER 298667
 MUELLER S INSTRUMENT AF 19<604>07376
 ROLT A PROJ/TASK 865286522
 EWING M

AFCR 62 1131
 AVCO CORP WILMINGTON MASS
 ATLAS SCATTERING DIAGRAMS FOR N=1.5, NOV 1962.
 BY PENNDORF R DDC NUMBER 407809
 INSTRUMENT AF 19<604>09743
 PROJ/TASK 767076704

AFCR 62 1132
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
 L G HANSCOM FIELD MASS
 COMPUTER SOLUTION OF SIMULTANEOUS DIFFUSION CHEMICAL
 KINETICS EQUATIONS RELATING TO UPPER ATMOSPHERE RELEASES,
 DEC 1962.
 BY GOLDNER D DDC NUMBER 298730
 MASON J PROJ/TASK 7635

AFCR 62 1133
 LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
 ABSORPTION OF WATER VAPOUR ON IONIC CRYSTALS, DIELECTRIC
 PROPERTIES, 30 SEP 1962.
 DDC NUMBER 298667
 INSTRUMENT AF 61<052>00190
 PROJ/TASK 862086207

AFCR 62 1134
 CHICAGO U ILL
 ON THE PLACEMENT OF THE TROPOPAUSE IN THE ANTARCTIC, DEC
 1962.
 BY OVERY R DDC NUMBER 294794
 INSTRUMENT AF 19<604>07230
 PROJ/TASK 864186410

AFCR 62 1135
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
 L G HANSCOM FIELD MASS
 JOINT INDU-UNITED STATES BALLOON FLIGHT PROGRAM 1961, DEC
 1962.
 BY CHAGNON F W DDC NUMBER 411564
 PROJ/TASK 7690

AFCR 62 1136
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
 L G HANSCOM FIELD MASS
 UPPER-ATMOSPHERE DENSITY OBTAINED FROM FALLING SPHERE
 DRAG MEASUREMENTS, DEC 1962.
 BY FAUCHER G A DDC NUMBER 405736
 PROCIUNIER R W PROJ/TASK 6690
 SHERMAN F S

AFCR 62 1137
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 REPRESENTATION SCHEMES FOR INVESTIGATING NONLINEAR
 PROCESSES, DEC 1962.
 BY DE VORBIN D R DDC NUMBER 296163
 INSTRUMENT AF 19<604>04969
 PROJ/TASK 862086281

AFCR 62 1138
 QUEENS U BELFAST NORTHERN IRELAND
 RESEARCH ON PHYSICS OF THE UPPER ATMOSPHERE, 30 JUN 1962.
 BY RATES D R DDC NUMBER 293867
 DALGARNO A INSTRUMENT AF-FCAR-0016-61
 JARRETT A M PROJ/TASK 763576361
 MOISEWITSCH R L
 STEWART A I

AFCR 62 1139
 DENMARK TECHNICAL U COPENHAGEN
 CORRELATION BETWEEN EARTH CURRENTS AT GODHAVEN, GREENLAND
 AND MAGNETIC DISTURBANCES, JUN 1962.
 BY UNGETHUIP F DDC NUMBER 293811
 PEDERSEN P W INSTRUMENT AF 61<052>00298
 PROJ/TASK 766176615

AFRL 62 1160
DENMARK TECHNICAL U COPENHAGEN
OBSERVATIONS OF VLF RADIO NOISE AT GODHAVEN, GREENLAND,
SEP 1962.
RY UNGSTRUP F DDC NUMBER 293834
INSTRUMENT AF 61605200298
PROJ/TASK 766376615

AFRL 62 1161
GEOPHYSICS CORP OF AMERICA BEDFORD MASS
REVIEW OF REQUIREMENTS IN NUCLEAR WEAPON INDUCED
CHEMILUMINESCENT REACTIONS (U), OCT 1962, SECRET.
RY PRESSMAN J DDC NUMBER 336800
INSTRUMENT AF 19660400848
PROJ/TASK 767676759

AFRL 62 1162
GEOPHYSICS CORP OF AMERICA BEDFORD MASS
RESEARCH DIRECTED TOWARD STUDIES ON CHEMICAL RELEASE
APPLICATIONS, DEC 1962.
RY PRESSMAN J DDC NUMBER 336800
INSTRUMENT AF 19662000231
PROJ/TASK 5842

AFRL 62 1163
BOSTON COLL CHESTNUT HILL MASS
RESEARCH DIRECTED TOWARD THE COLLECTION, REDUCTION AND
EVALUATION OF GEOMAGNETIC FIELD DATA AND ELECTRIC FIELD
PHENOMENA ATMOSPHERIC AND TERRESTRIAL, 30 SEP 1961.
RY LINPHAN D DDC NUMBER 299287
INSTRUMENT AF 196604005569
PROJ/TASK 760176019

AFRL 62 1164
GENERAL DYNAMICS CORP AERONAUTICS SAN DIEGO CALIF
COMPILATION OF ATLAS, TITEL I, TITEL II, AND MINUTEMAN
ROCKET ENGINE PARAMETERS (U), 17 DEC 1962, CONFIDENTIAL.
RY HARSCHARGER F C DDC NUMBER 305556
INSTRUMENT AF 196604005556
PROJ/TASK 5784

AFRL 62 1165
GENERAL DYNAMICS CORP AERONAUTICS SAN DIEGO CALIF
SOME SPECTRAL RADIANCE MEASUREMENTS OF A STATICALLY FIRED
TITEL II, SECOND STAGE ROCKET ENGINE (U), 17 DEC 1962,
SECRET.
RY HART, F F R DDC NUMBER 305556
HARSCHARGER F C INSTRUMENT AF 196604005556
HEFMAN R PROJ/TASK 4784

AFRL 62 1166
MICHIGAN U ANN ARBOR
ARMAC PROCEEDINGS RE-IR/OPTICAL PROGRAM DEVELOPMENT, VOL
IV, PART I (U), 8-10 MAY 1961, SECRET.
RY FROST A D DDC NUMBER 40049910
INSTRUMENT AF 196604007350
PROJ/TASK 40049910

AFRL 62 1167
MICHIGAN U ANN ARBOR
ARMAC PROCEEDINGS RE-IR/OPTICAL PROGRAM DEVELOPMENT, VOL
IV, PART II (U), SECRET-RESTRICTED DATA.
RY FROST A D DDC NUMBER 40049910
INSTRUMENT AF 196604007350
PROJ/TASK 40049910

AFRL 62 1168
ROFING CO SEATTLE WASH
ROFING PARTICIPATION IN INTERSERVICE RADIATION MEASUREMENT
PROGRAM (IRMP), MEASUREMENT PERIOD ONE THROUGH FOUR (U),
1 JAN THROUGH 21 APR 1961, SECRET.
RY CAMPBELL J W DDC NUMBER 307427
STRIKSEL W I INSTRUMENT AF 196604007427
HINDEWSET M

AFRL 63 001
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
LASERS - A BASIC DISCUSSION OF TYPES, PROPERTIES AND
PRINCIPLES, JAN 1963.
RY STICKLEY C M DDC NUMBER 40188A
PROJ/TASK 4645 02

AFRL 63 002
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
THE MATERIAL LIMITATIONS OF TUNNEL DIODE COMMUNICATIONS
CIRCUIT PERFORMANCE, JAN 1963.
RY SHEPPHERD F D JR DDC NUMBER 298645
YANG A C INSTRUMENT AF 19660400845
VICKERS V PROJ/TASK 4644

AFRL 63 003
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
SPECTROGRAPHIC ANALYSIS OF TRACE ELEMENTS IN ALUMINUM
OXIDE MATRICES, JAN 1963.
RY FITZGERALD J J DDC NUMBER 401887
PROJ/TASK 5620

AFRL 63 004
LOCKHEED AIRCRAFT CORP PALO ALTO CALIF
SATELLITE-TO-SATELLITE PROPAGATION EXPERIMENT FEASIBILITY
STUDY AND PRELIMINARY DESIGN, 11 DEC 1962.
RY MEYER J D DDC NUMBER 402255
INSTRUMENT AF 196618006457
PROJ/TASK 4603 07

AFRL 63 005
MINNESOTA U MINNEAPOLIS
STUDIES OF PRIMARY ELECTRON SOURCES, SEP 1962.
RY ANDERSON D F DDC NUMBER 297266
INSTRUMENT AF 196604008381
PROJ/TASK 461766170

AFRL 63 006
RADIO CORP OF AMERICA SANNOFF RESEARCH CENTER
PRINCETON N J
THRESHOLD LOGIC IN ARTIFICIAL INTELLIGENCE, 15 NOV 1962.
RY WINDER R O DDC NUMBER 298784
INSTRUMENT AF 196606008424
PROJ/TASK 4641 01

AFRL 63 007
ROKON METALS CORP NEWARK N J
MATERIALS FOR AND THE MECHANISM OF GETTERING MULTIPLE
COMPONENT GASES, 8 JUN TO 8 SEP 1962.
RY FRYSTEIN I DDC NUMBER 297957
KAUFMAN I J INSTRUMENT AF 196604008430
PROJ/TASK 461966190

AFRL 63 008
BROWN U PROVIDENCE R I
ON THE SOLUTION OF A TRANSCENDENTAL EQUATION ARISING IN
THE THEORY OF SCATTERING BY A DIELECTRIC CYLINDER, PART II
JUN 1962.
RY STREIFFER W DDC NUMBER 412778
KODIS R D INSTRUMENT AF 196604004561
PROJ/TASK 5635 02

AFRL 63 009
BROWN U PROVIDENCE R I
A METHOD OF ANALYZING TIME DEPENDENT CYLINDRICAL
DISCHARGES, DEC 1962.
RY CARON P R DDC NUMBER 411843
KODIS R D INSTRUMENT AF 196604004561
PROJ/TASK 5635 02

AFRL 63 010
COLUMBIA U NEW YORK N Y
GUIDED ELECTROMAGNETIC PROPAGATION ALONG A NON-CYROTROPIC
CIRCULAR PLASMA COLUMN, 30 OCT 1962.
RY GRANATSTEIN V L DDC NUMBER 402680
SCHLESINGER S P INSTRUMENT AF 196604008379
PROJ/TASK 4600

AFRL 63 011
GENERAL ELECTRIC CO SCHENECTADY N Y
INVESTIGATION OF VARIOUS ACTIVATOR REFRACTORY SUBSTRATE
COMBINATIONS, 27 DEC 1962.
RY AFFLECK J H DDC NUMBER 296172
BOYD W T INSTRUMENT AF 19662800279
PROJ/TASK 4619 01

AFRL 63 012
RADIO CORP OF AMERICA SANNOFF RESEARCH CENTER
PRINCETON N J
INVESTIGATIONS OF FUNDAMENTAL LIMITATIONS DETERMINING THE
ULTIMATE SIZE OF MICROSTRUCTURES - MINIMUM SIZE AND
MAXIMUM PACKING DENSITY OF NON-REBOUNDANT SOLID STATE
DEVICES, 31 DEC 1962.
RY WALLMARK J T DDC NUMBER 402115
INSTRUMENT AF 196604008060
PROJ/TASK 5632

AFRL 63 013
NEW HAMPSHIRE U DURHAM
THE COAXIAL DIPOLE PARAMETRIC AMPLIFIER ANTENNA, 1 DEC
1962.
RY FROST A D DDC NUMBER 401737
INSTRUMENT AF 19662800307
PROJ/TASK 4600 02

AFRL 63 014
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
MEASUREMENT OF IONOSPHERIC PATHS AS A TIME-VARYING NETWORK
19 DEC 1962.
RY LERMMEL A F DDC NUMBER 298298
INSTRUMENT AF 196628003375
PROJ/TASK 4691 01

AFRL 63 015
STANFORD RESEARCH INST MENLO PARK CALIF
THE DIFFUSION OF LEAD IN POTASSIUM CHLORIDE, 29 NOV 1962.
RY KENNEDY F J JR DDC NUMBER 299725
FREDERICKS W J INSTRUMENT AF 196604007231
PROJ/TASK 5620 01

AFRL 63 016
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
POSITIONING OF FERROMAGNETS IN A RESONANT CAVITY TO INDUCE
MAGNETOSTATIC MODES OF OSCILLATION, JAN 1963.
RY ZAPP W R DDC NUMBER 401919
PROJ/TASK 4608 05

AFRL 63 017
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
MICROWAVE PROBING OF ELECTRON DECAY IN A GAS DISCHARGE,
18 JAN 1963.
RY GALE W C DDC NUMBER 401857
INSTRUMENT AF 196604007216
PROJ/TASK 461766191

AFRL 63 018
DARBY MATHEMATICAL LABS INC CARLISLE MASS
STUDY OF THE PROPERTIES OF MATTER USING DIFFERENTIAL
GEOMETRIC METHODS, JAN 1963.
RY FITZGERALD J J DDC NUMBER 400111
INSTRUMENT AF 196604007316
PROJ/TASK 4608 02

AFRL 63 019
NEW YORK U NEW YORK
EXCITATION OF SURFACE WAVES ON A UNIDIRECTIONALLY
CONDUCTING SCREEN BY A PHASE LINE SOURCE, JAN 1963.
RY KARDEN N DDC NUMBER 413336
KARDEN F C INSTRUMENT AF 196604008238
PROJ/TASK 5635 02

AFRL 63 020
GENERAL ELECTRIC CO SCHENECTADY N Y
SEMICONDUCTOR DEVICE CONCEPTS, 10 FEB 1962.
RY ANDERSON D F DDC NUMBER 296370
INSTRUMENT AF 196628004329
PROJ/TASK 4608 04

AFCL 63 020R
GENERAL ELECTRIC CO SCHENECTADY N Y
SEMICONDUCTOR DEVICE CONCEPTS, 30 SEP 1962.
DDC NUMBER 296197
INSTRUMENT AF 19<628>00329
PROJ/TASK 4608 04

AFCL 63 021
MOTOROLA INC PHOENIX ARIZ
RESEARCH AND DEVELOPMENT FOR SURFACE PROTECTION FOR
SILICON DEVICES, 15 JUN - 14 SEP 1962.
BY COOPER H W DDC NUMBER 400279
BY EVITTS H C INSTRUMENT AF 19<604>08358
BY FLASCHEN S S PROJ/TASK 5621
BY RADFR R W

AFCL 63 022
NEW YORK U NEW YORK
LITERATURE SURVEY ON THE PREPARATION OF METALS FROM
ORGANOMETALLIC COMPOUNDS, MAR 1963.
BY TSUTSUI M
BY LORENZ D INSTRUMENT AF 19<628>01685
PROJ/TASK 4608 02

AFCL 63 023
TEXAS U AUSTIN
AN APPROXIMATE SOLUTION OF THE RADIO FIELD STRENGTH IN THE
VICINITY OF A GROVE OF TREES, 15 JAN 1963.
BY LAGRONF A H DDC NUMBER 299265
INSTRUMENT AF 19<604>08038
PROJ/TASK 4603

AFCL 63 024
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
EXTRACTION OF PITCH FROM THE TRACHEA, FEB 1963.
BY PORTER H C DDC NUMBER 401920
PROJ/TASK 4610

AFCL 63 025
CALIFORNIA U BERKELEY
POSITIVE-COLUMN STRAIGHTIONS IN GASEOUS CONDUCTORS, 19 JUN
1962.
BY DOBRATZ B F DDC NUMBER 403436
INSTRUMENT AF 19<628>00324
PROJ/TASK 5634 02

AFCL 63 027
PARKE MATHEMATICAL LABS INC CARLISLE MASS
MATHEMATICAL DESCRIPTIONS OF POLARIZATION AND RELATED
PHENOMENA, PART II, QUANTUM MECHANICAL DESCRIPTION.
BY ROWSOME F H III DDC NUMBER 299430
INSTRUMENT AF 19<604>07316
PROJ/TASK 4608 02

AFCL 63 028
NEW YORK U NEW YORK
COMPUTER CONSTRUCTION AND EVALUATION OF LONG BURST-ERROR
CORRECTING CODES, 31 JAN 1963.
BY METZNER J J DDC NUMBER 402676
INSTRUMENT AF 19<604>06168
PROJ/TASK 4610 03

AFCL 63 029
MICHIGAN U ANN ARBOR
STUDIES IN RADAR CROSS SECTIONS XLVIII-DIFFRACTION AND
SCATTERING BY REGULAR BODIES, II, THE CONE, JAN 1963.
BY KLEIMAN R F DDC NUMBER 407557
BY SENIOR T B A INSTRUMENT AF 19<604>06655
PROJ/TASK 5635 02

AFCL 63 030
UPPSALA U SWEDEN
IONIZATION CONDITIONS IN A LIGHTNING CHANNEL IN RELATION
TO MULTIPLE STROKES, 1962.
BY PADET-LEPINE J DDC NUMBER 404954
INSTRUMENT AF 61<052>00171
PROJ/TASK 563156311

AFCL 63 031
CHALMERS INST OF TECH GOTHENBURG SWEDEN
DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA, 7.
NONLINEAR PLASMA WAVES IN A STREAMING HOMOGENEOUS COLD
IONIZED MEDIUM, 1962.
BY RYDBECK O E INSTRUMENT AF 61<052>00451
INSTRUMENT AF 61<052>00594
PROJ/TASK 5561 01

AFCL 63 032
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY
A NOTE ON THE PROPERTIES OF INERT NETWORKS, 16 NOV 1962.
BY TONNING A INSTRUMENT AF 61<052>00484
PROJ/TASK 5635 01

AFCL 63 033
DENMARK TECHNICAL U COPENHAGEN
AN EXTENSION TO THE THEORY OF A DIPOLE OVER AN
INHOMOGENEOUS GROUND, NOV 1962.
BY ANDERSEN J B DDC NUMBER 413301
INSTRUMENT AF 61<052>00503
PROJ/TASK 5635 02

AFCL 63 034
GENERAL ELECTRIC CO SANTA BARBARA CALIF
HARD POINT DEFENSE PRELIMINARY NUCLEAR EFFECTS SUMMARY (U)
FEB 1963.. SECRET-RESTRICTED DATA.
BY GARMILL B INSTRUMENT AF 19<628>00207
BY HENDRICK P
BY BARRETT T
BY CHRISTIAN R
BY ROYLE S
BY GRIESINGER D
BY FISCHER P

AFCL 63 035
DOUCETTE E I ASSOC INC CHATHAM N J
A QUANTITATIVE STUDY OF THE EVOLUTION OF GASES FROM
ELECTRON TUBES AND MATERIALS, 31 JAN 1963.
BY GRUBBS W J DDC NUMBER 403984
BY SNIDER G M INSTRUMENT AF 19<628>00326
BY SCOTT F I PROJ/TASK 461946190

AFCL 63 036
NUCLEAR CORP OF AMERICA PHOENIX ARIZ
THE PREPARATION OF HIGH PURITY RARE EARTH METALS BY ZONE
REFINING, 1 JAN 1962 TO 31 JAN 1963.
DDC NUMBER 405751
INSTRUMENT AF 19<604>07491
PROJ/TASK 4608 02

AFCL 63 037
NEW YORK U NEW YORK
NON-FUCLIDEAN GEOMETRIC REPRESENTATIONS FOR LOSSY
MICROWAVE NETWORKS, JAN 1963.
BY KAPLAN L J
BY STOCK D J R INSTRUMENT AF 19<604>07486
PROJ/TASK 5635 01

AFCL 63 038
NORTHEASTERN U BOSTON MASS
MATHEMATICAL ANALYSIS OF COMPLEX SYSTEMS, 30 SEP 1962.
BY DOLANSKY L DDC NUMBER 299009
BY RACH R F JR INSTRUMENT AF 19<604>04573
BY GIVEEN S M PROJ/TASK 5632 03

AFCL 63 039
WOLF RESEARCH AND DEVELOPMENT CORP WEST CONCORD MASS
MATRIX OPERATIONS PROGRAM FOR THE EXPERIMENTAL DYNAMIC
PROCESSOR, 22 FEB 1963.
BY CASO C DDC NUMBER 297936
BY SELTZER J INSTRUMENT AF 19<628>01614
BY SEXTON J PROJ/TASK 4648 05

AFCL 63 040
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
GEOLOGICAL AND GEOPHYSICAL CONSIDERATIONS IN RADIO
PROPAGATION THROUGH THE EARTH-S CRUST, FEB 1963.
BY AMES L A DDC NUMBER 402704
BY FRAZIER J W PROJ/TASK 4610 01
BY ORANGE A S

AFCL 63 041
CALIFORNIA U BERKELEY
BEHAVIOR OF THE SPACE CHARGE IN A PLASMA MAGNETRON, 15 JUN
1962.
BY IKEDA Y DDC NUMBER 403437
INSTRUMENT AF 19<628>00324
PROJ/TASK 5634 02

AFCL 63 043
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
A DECISION PROCEDURE FOR POSITIVE IMPLICATION, FEB 1963.
NOTRE DAME J FORMAL LOGIC 3 3 1963
BY RECNK M D PROJ/TASK 5632 05

AFCL 63 044
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
PROPAGATIONAL PHASE VARIATION MEASUREMENTS AT VERY LOW
FREQUENCIES, 31 OCT 1962.
BY KNOX J L DDC NUMBER 298732
INSTRUMENT AF 19<604>07270
PROJ/TASK 4691 02

AFCL 63 045
STANFORD RESEARCH INST MENLO PARK CALIF
F-I-O-M-W-I-T-I (TITLE IS CONFIDENTIAL), 15 NOV 1962.
SECRET.
BY DOLPHIN L JR INSTRUMENT AF 19<628>00205
BY MISCHICO C

AFCL 63 046
SPACF GENERAL CORP EL MONTE CALIF
EXPERIMENTAL RESEARCH INVESTIGATION OF EXTREMELY LOW
FREQUENCY PROPAGATION, 15 FEB 1963.
BY SMITH O D DDC NUMBER 404564
BY KUHNLE P F INSTRUMENT AF 19<628>01603
BY GEORGES T M PROJ/TASK 4603 05

AFCL 63 047
SOUTHFRN CALIFORNIA U LOS ANGELES CALIF
AN APPLICATION OF SOMMERFELD-S COMPLEX ORDER WAVE
FUNCTIONS TO THE PROBLEM OF RADIATION FROM A DIELECTRIC
COATED CONE, FEB 1963.
BY YEH C W H DDC NUMBER 404168
INSTRUMENT AF 19<604>06195
PROJ/TASK 4642 02

AFCL 63 048
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
ON THE POSSIBILITY OF OBTAINING LARGE AMPLITUDE RESONANCE
IN VERY THIN FERROMAGNETIC DISKS, FEB 1963.
BY MORGENTHAUER F R DDC NUMBER 410120
PROJ/TASK 4600 03

AFCL 63 049
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
ANISOTROPIC PLASMA COVERED MAGNETIC LINE SOURCE, FEB 1963.
BY SHORE R DDC NUMBER 410888
BY WELTZ G PROJ/TASK 4642 01

AFCL 63 050
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
ON THE IMPLEMENTATION AND USAGE OF A LANGUAGE FOR CONTRACT
BRIDGE BIDDING, MAR 1963.
BY BAKTIAN A L DDC NUMBER 407094
BY FOLEY J P
BY DETRICK S R PROJ/TASK 563256325

AFRL 63 051
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
MODERN ANTENNAS FOR SPACE COMMUNICATIONS, FEB 1963.
BY SLETTFEN C J DDC NUMBER 403987
PROJ/TASK 4600 01

AFRL 63 052
ILLINOIS INST OF TECH RESEARCH INST CHICAGO
INVESTIGATION OF TECHNIQUES FOR THE REMOVAL OF ELECTRONS
IN THE UPPER ATMOSPHERE.
BY SPARS R D DDC NUMBER 299588
INSTRUMENT AF 19C62800916

AFRL 63 053
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
RESEARCH IN ELECTROMAGNETICS, PLASMAS AND NETWORKS, 13 FEB
1963.
BY PFLSEN L R DDC NUMBER 402313
INSTRUMENT AF 19C604004143
PROJ/TASK 5635 01

AFRL 63 054
AVCO CORP WILMINGTON MASS
RESEARCH CONCERNING FORECASTING ANOMALOUS PROPAGATION AT
HIGH LATITUDES, 28 FEB 1963.
BY CORONITI S C DDC NUMBER 403140
INSTRUMENT AF 19C604004092
PROJ/TASK 4603 04
BY MFRMAN J R
HILL C F
PENNDORF R B
ROUVEY G F

AFRL 63 059
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
DEPENDENCE OF ORIENTATION AND MAGNON THRESHOLD POWER
DURING PARALLEL PUMPING, USING A SINGLE CRYSTAL MANGANIN-
MANGNESIUM-COBALT-FERRITE, FEB 1963.
PHYS STAT SOL 2 734 1962
BY HAUFRNPFISSEK W DDC NUMBER 407368
LITZEN D
STIGLITZ M R PROJ/TASK 5635 03

AFRL 63 056
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
EVOLUTION OF THE DESIGN OF THE ANNA-1 SATELLITE OPTICAL
RECON, FEB 1963.
BY WIRTANEN T P DDC NUMBER 402213
PROJ/TASK 7600

AFRL 63 057
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
MICROWAVE PHOTON GENERATION BY THIN MAGNETIC FILMS.
BY SPAVY W H JR DDC NUMBER 409474
PROJ/TASK 4600 03

AFRL 63 058
SYSTEMS DEVELOPMENT CORP SANTA MONICA CALIF
SOME REMARKS ABOUT SEQUENCES IN CONTEXT FREE LANGUAGES,
31 JAN 1963.
BY GINSBURG S DDC NUMBER 400371
MILTAN J S INSTRUMENT AF 19C628000485
PROJ/TASK 464146410

AFRL 63 059
MINNESOTA U MINNEAPOLIS
STUDIES OF PRIMARY ELECTRON SOURCES, JAN 1963.
BY SHEPHERD W G DDC NUMBER 405909
ANDERSON D F INSTRUMENT AF 19C604008381
PROJ/TASK 461946190

AFRL 63 060
RAYTHEON CO WORMWOOD MASS
STUDIES IN DEEP STRATA RADIO COMMUNICATIONS, OCT 1962.
BY DE RITTENHOUT J T DDC NUMBER 407959
SUTCLIFFE R A INSTRUMENT AF 19C604008959
PROJ/TASK 4610 01

AFRL 63 061
WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA
THEORETICAL AND EXPERIMENTAL RESEARCH TO ASSIST IN
PREPARATION AND DESIGN OF A HIGH FREQUENCY SILICON CARBIDE
ACTIVE DEVICE, DEC 1962.
BY CHANG H C DDC NUMBER 407193
INSTRUMENT AF 19C604008499
PROJ/TASK 4608 04

AFRL 63 062
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
INVESTIGATION OF CARRIER INJECTION ELECTROLUMINESCENCE,
15 FEB 1963.
BY FISCHER A C DDC NUMBER 402077
FONGER W H INSTRUMENT AF 19C604008018
MASON A C PROJ/TASK 4608 04

AFRL 63 063
TRC INC EAST BOSTON MASS
EFFICIENT FLUSHMOUNTED SURFACE WAVE LAMINER, 28 NOV 1962.
BY VIGOR H P DDC NUMBER 406692
INSTRUMENT AF 19C604008057
PROJ/TASK 4600 02

AFRL 63 064
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
ENVIRONMENT SPENSING - A NEW APPROACH TO THE DESIGN OF AN
ELECTRONIC AID FOR THE BLIND, MAR 1963.
BY RISHOP W R DDC NUMBER 406472
PROJ/TASK 4608 05

AFRL 63 065
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
DISLOCATION STUDIES IN DIAMOND BY X-RAY DIFFRACTION
MICROSCOPY, MAR 1963.
BY EULER F DDC NUMBER 408707
BY SCHMUTTKER G H PROJ/TASK 5621

AFRL 63 066
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
RADIATION FROM AN AXIALLY SLOTTED CYLINDER WITH A RADIALLY
INHOMOGENEOUS PLASMA COATING, MAR 1963.
BY RUSCH W V T DDC NUMBER 404167
INSTRUMENT AF 19C604006194
PROJ/TASK 4642 02

AFRL 63 067
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
EVAPORATED THIN-FILM DEVICES, 28 FEB 1963.
BY WELMER D F DDC NUMBER 402887
ROSWAN H INSTRUMENT AF 19C604006167
SMALLCROSS F V PROJ/TASK 4608 04

AFRL 63 068
MONTANA STATE COLL BOZEMAN
ON DYNAMIC SWITCHING IN ONE-DIMENSIONAL ITERATIVE LOGIC
NETWORKS, MAR 1963.
BY WELMER D F DDC NUMBER 408414
INSTRUMENT AF 19C604006619
PROJ/TASK 5632 02

AFRL 63 069
GENERAL ELECTRIC CO SCHENECTADY N Y
INVESTIGATION OF VARIOUS ACTIVATOR REFRACTORY SUBSTRATE
COMBINATIONS, 5 MAR 1963.
BY AFFLECK J H DDC NUMBER 401933
INSTRUMENT AF 19C628000273
PROJ/TASK 4619 01

AFRL 63 070
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
CANCELLATION OF DOPPLER FREQUENCY SHIFT, MAR 1963.
BY WAETJEN R M DDC NUMBER 404478
PROJ/TASK 4610 06

AFRL 63 071
TEXAS U AUSTIN
HIGH ALTITUDE MICROVARIATIONS WITHIN THE ATMOSPHERES
RADIO REFRACTIVE-INDEX PROFILE, 28 FEB 1963.
BY DEAN A D DDC NUMBER 404447
WALKER G R INSTRUMENT AF 19C604008038
PROJ/TASK 4603

AFRL 63 072
MASSACHUSETTS INST OF TECH CAMBRIDGE
APPLICATION STUDIES OF COMBINED ANALOG-DIGITAL COMPUTATION
TECHNIQUES, FEB 1963.
BY HILLS F R DDC NUMBER 404179
INSTRUMENT AF 19C604006654
PROJ/TASK 4641 02

AFRL 63 073
AVCO CORP WILMINGTON MASS
INVESTIGATION OF THERMAL IMAGING TECHNIQUES, 15 MAR 1963.
BY LASZLO T S DDC NUMBER 404281
SHEPHERD P J JR INSTRUMENT AF 19C604007204
PROJ/TASK 461946190

AFRL 63 074
STANFORD RESEARCH INST MENLO PARK CALIF
INVESTIGATION OF SOLID STATE ELECTROLYTE BEHAVIOR IN
SEMICONDUCTORS, 4 FEB 1963.
BY FREDERICKS W J DDC NUMBER 407809
FRANKHA F J INSTRUMENT AF 19C604007231
BLUM D S PROJ/TASK 4620 01
SCOTT A B

AFRL 63 075
TYCO LABS INC WALTHAM MASS
THE TRAVELLING SOLVENT METHOD OF CRYSTAL GROWTH, 12 MAR
1963.
BY GRIFFITHS L R DDC NUMBER 400993
WRIGHT M A INSTRUMENT AF 19C604008803
BLAVSKY A T PROJ/TASK 4608 04

AFRL 63 076
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
MODAL ANALYSIS AND SYNTHESIS OF ELECTROMAGNETIC FIELDS, 14
NOV 1962.
BY PFLSEN L R DDC NUMBER 415851
MARCUMVITZ N INSTRUMENT AF 19C604007499
PROJ/TASK 4600 04

AFRL 63 077
TENNESSEE U ENDRVILLE
FIRST ORDER EXPANENCES OF A CIRCULAR ANTENNA ARRAY, 1 MAR
1963.
BY HICKMAN C F DDC NUMBER 403470
INSTRUMENT AF 19C608000286
PROJ/TASK 4600 02

AFRL 63 078
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
EPOXY VACUUM SEAL FOR INTRODUCTION OF LEADS INTO CRYOGENIC
EQUIPMENT, MAR 1963.
BY LIPSON H C DDC NUMBER 410018
MOUTHILLFETTER L O PROJ/TASK 4608 04

AFRL 63 079
ROME U ITALY
MODES WITH COMPLEX PROPAGATION CONSTANT IN RECTANGULAR
GUIDES LOADED WITH TRANSVERSELY MAGNETIZED LOSSLESS
FERRITE, 20 JUN 1962.
BY BARZILAI G DDC NUMBER 402133
GROSSA G INSTRUMENT AF 61602500101
PROJ/TASK 5633 02

AFRL 63 080
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
CERENKOV RADIATION FROM A CHARGED PARTICLE IN UNIFORM
STRAIGHT MOTION THROUGH A PARTICULAR STRATIFIED MEDIUM,
NOV 1962.
BY BONCHI L DDC NUMBER 401845
SCHEGGI A M INSTRUMENT AF 61602500101
PROJ/TASK 5635 01

AFCL 63 081
SLENIA S P A ROVE ITALY
MICROWAVE INVESTIGATION OF THE DIELECTRIC WAVEGUIDE
PROPAGATION BY MAGNETO-IONIC DUCTS, JUL 1962.
BY GILARDINI I A DDC NUMBER 404574
INSTRUMENT AF 61<052>00145
PROJ/TASK 5630

AFCL 63 082
CHALMERS INST OF TECH GOTHENBURG SWEDEN
DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA. B.
REFLECTION OF ELECTROMAGNETIC WAVES FROM A DIELECTRIC
PLANE LAYER, VARYING PERIODICALLY IN SPACE AND TIME, 1962.
BY THOMASSON A R DDC NUMBER 402603
INSTRUMENT AF 61<052>00451
PROJ/TASK 5561 01

AFCL 63 083
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
ELECTROMAGNETIC CONTROL OF THE ATTITUDE OF SPACE VEHICLES,
DEC 1962.
BY BRUSCAGLIONI P DDC NUMBER 402114
CONSORTINI A INSTRUMENT AF 61<052>00537
PROJ/TASK 4600
PROJ/TASK 461046107

AFCL 63 084
MINNESOTA U MINNEAPOLIS
STUDIES OF PRIMARY ELECTRON SOURCES, JAN 1963.
BY ANDERSON D F DDC NUMBER 406054
INSTRUMENT AF 19<604>08381
PROJ/TASK 461946190

AFCL 63 085
NEW YORK U NEW YORK
REALIZABILITY CONDITIONS OF TWO-PORT NETWORK PARAMETERS,
MAR 1963.
BY MAISEL R DDC NUMBER 404503
INSTRUMENT AF 19<628>00379
PROJ/TASK 5632 04

AFCL 63 086
GENERAL TELEPHONE AND ELECTRONICS LABS INC RAYSIDE N Y
STUDY OF ADSORPTION OF GASES ON SOLIDS IN THE HIGH VACUUM
RANGE, 31 DEC 1962.
BY BLIVEN C M DDC NUMBER 402932
POLYANI T G INSTRUMENT AF 19<628>00331
PROJ/TASK 5634 05

AFCL 63 087
AF DAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
HIGH ALTITUDE X-BAND NOISE MEASUREMENTS, APR 1963.
BY HUNT S DDC NUMBER 404504
ORANGE A S PROJ/TASK 4610 01
GLICK K

AFCL 63 089
SYSTEMS DEVELOPMENT CORP SANTA MONICA CALIF
ROUNDED ALGOL-LIKE LANGUAGES, 11 FEB 1963.
BY GINSBURG S DDC NUMBER 403406
SPANIER F H INSTRUMENT AF 19<628>00485
PROJ/TASK 464146410

AFCL 63 090
HARVARD U CAMBRIDGE MASS
THEORETICAL AND EXPERIMENTAL STUDIES OF ANTENNAS AND
ARRAYS IN A PARALLEL-PLATE REGION, 5 OCT 1962.
BY RAO B R DDC NUMBER 410102
INSTRUMENT AF 19<604>04118
PROJ/TASK 5635 02

AFCL 63 091
SYRACUSE U N Y
SENSITIVITY CONSIDERATIONS IN ACTIVE NETWORK SYNTHESIS.
BY BALABANIAN N DDC NUMBER 403403
INSTRUMENT AF 19<628>01649
PROJ/TASK 5628

AFCL 63 092
MASSACHUSETTS INST OF TECH CAMBRIDGE
HIGH-DIELECTRIC-CONSTANT MATERIALS AND FERROELECTRICITY,
MAR 1963.
BY VON HIPPEL A DDC NUMBER 404776
INSTRUMENT AF 19<604>06155
PROJ/TASK 5633 02

AFCL 63 093
AF DAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
PRECISION TIME OR FREQUENCY TRANSMISSION TO MOVING
VEHICLES, APR 1963.
BY WAETJEN R M DDC NUMBER 405044
PROJ/TASK 4610 06

AFCL 63 094
TELEDYNE SYSTEMS CORP HAWTHORNE CALIF
TRANSVERSE DOPPLER PATTERN MEASUREMENT TECHNIQUE, 1 FEB
1963.
BY HOUIGARDY H H DDC NUMBER 408271
MCFADDEN R K INSTRUMENT AF 19<604>08362
PROJ/TASK 4600 07

AFCL 63 095
PARKE MATHEMATICAL LABS INC CARLISLE MASS
ON THE WEIGHTS OF THE ELEMENTS OF BINARY GROUP CODES, MAR
1963.
BY CALABI L DDC NUMBER 409595
MYRVAAGNES F INSTRUMENT AF 19<604>07493
PROJ/TASK 4628

AFCL 63 096
RAYTHEON CO WALTHAM MASS
INVESTIGATION OF THE MICROWAVE PROPERTIES OF
FERROELECTRICS, 20 JAN 1961 THROUGH 19 JAN 1963.
BY SILVERMAN B D DDC NUMBER 403659
JOSEPH R I INSTRUMENT AF 19<604>08005
WINTER W PROJ/TASK 4600 03

AFCL 63 097
NEW YORK U NEW YORK
RESEARCH ON THE PREPARATION OF PURE METALS, 15 MAR 1963.
BY BRENNER W DDC NUMBER 405947
MARSEL C J INSTRUMENT AF 19<604>04124
PROJ/TASK 562056204

AFCL 63 098
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
PATTERN RECOGNITION AND DETECTION BY MACHINE, 8 MAR 1963.
BY LAEMMEL A F DDC NUMBER 418387
INSTRUMENT AF 19<628>00375
PROJ/TASK 4691 03

AFCL 63 099
RAYTHEON CO WAYLAND MASS
A NEW TECHNIQUE FOR SIMULTANEOUS RADAR OBSERVATION OF
MULTIPLE TARGETS WITHIN A BROAD SURVEILLANCE REGION, 31
DEC 1962.
BY GROGINSKY H L INSTRUMENT AF 19<628>00361
YOUNG J D PROJ/TASK 4600 06

AFCL 63 100
INNSBRUCK U AUSTRIA
ON THE PROPAGATION OF VLF WAVES IN SOLIDS, 20 DEC 1962.
BY BITTERLICH W DDC NUMBER 402314
INSTRUMENT AF 61<052>00490
PROJ/TASK 4610 01

AFCL 63 101
CENTRO RADIOELETTRICO SPERIMENTALE ROME ITALY
RADIO COMMUNICATION BY BACKSCATTER, 31 DEC 1962.
BY RANZI I DDC NUMBER 404270
INSTRUMENT AF 61<052>00139
PROJ/TASK 563056302

AFCL 63 102
THOMAS A S INC WESTWOOD MASS
NEW TECHNIQUES OF PATTERN SHAPING FOR LOW SILHOUETTE
ANTENNAS, JAN 1963.
BY THOMAS A S DDC NUMBER 403979
INSTRUMENT AF 19<604>04983
PROJ/TASK 4600 02

AFCL 63 103
GENERAL TELEPHONE AND ELECTRONICS LABS INC PALO ALTO CALIF
INVESTIGATION OF THE ENERGY LEVELS OF MAGNETIC IONS IN THE
COMPLEX METAL OXIDES, ESPECIALLY IN THE ORTHOFERRITES, 28
MAR 1963.
BY WHITE R L DDC NUMBER 403785
INSTRUMENT AF 19<628>00387
PROJ/TASK 5621 04

AFCL 63 104
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
CONSEQUENCES OF SYMMETRY IN PERIODIC STRUCTURES, 15 FEB
1963.
BY CREPEAU P J DDC NUMBER 405040
MCISAAC P R INSTRUMENT AF 19<604>07499
PROJ/TASK 4600 04

AFCL 63 105
PARKE MATHEMATICAL LABS INC CARLISLE MASS
ON THE MINIMAL WEIGHT OF BINARY GROUP CODES, MAR 1963.
BY CALABI L DDC NUMBER 407059
MYRVAAGNES F INSTRUMENT AF 19<604>07493
PROJ/TASK 5628

AFCL 63 106
HARVARD U CAMBRIDGE MASS
THEORETICAL AND EXPERIMENTAL STUDIES OF ANTENNAS AND
ARRAYS IN A PARALLEL-PLATE REGION, PART II. THE CURRENT
DISTRIBUTION AND IMPEDANCE CHARACTERISTICS OF COUPLED
ANTENNAS IN A PARALLEL-PLATE REGION, 15 MAR 1963.
BY RAO B R DDC NUMBER 413091
INSTRUMENT AF 19<604>04118
PROJ/TASK 5635 02

AFCL 63 107
HARVARD U CAMBRIDGE MASS
THEORETICAL AND EXPERIMENTAL STUDIES OF ANTENNAS AND
ARRAYS IN A PARALLEL-PLATE REGION, PART III. SOME
INVESTIGATIONS ON A TWO-ELEMENT YAGI-TYPE ARRAY IN A
PARALLEL-PLATE REGION, 15 MAR 1963.
BY RAO B R DDC NUMBER 412855
INSTRUMENT AF 19<628>02406
PROJ/TASK 5635 02

AFCL 63 108
HARVARD U CAMBRIDGE MASS
THEORETICAL AND EXPERIMENTAL STUDIES OF ANTENNAS AND
ARRAYS IN A PARALLEL-PLATE REGION, PART IV. WAVE
PROPAGATION ALONG INFINITE YAGI-TYPE ARRAY IN A PARALLEL-
PLATE REGION, 15 MAR 1963.
BY RAO B R DDC NUMBER 413453
INSTRUMENT AF 19<628>02406
PROJ/TASK 5635 02

AFCL 63 109
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
UTILIZATION OF THE FARADAY EFFECT IN IONOSPHERIC STUDIES,
15 MAR 1963.
BY POTTS B C INSTRUMENT AF 19<604>07270
PROJ/TASK 4691 02

AFCL 63 110
ELECTRONIC ASSOC INC PRINCETON N J
EXPLORATORY PROGRAMMING STUDIES FOR IONOSPHERIC RAY
TRACING, 8 OCT 1962.
INSTRUMENT AF 19<604>07294
PROJ/TASK 460346033

AFRL 63 111
ELECTRONIC ASSOC INC PRINCETON N J
PROGRAMMING STUDY FOR HIGH FREQUENCY EXOSPHERIC DUCTING,
17 NOV 1962.
BY RYADLE R
PASSON D
INSTRUMENT AF 19C628>01658
PROJ/TASK 460346033

AFRL 63 112
BOLT BRANER AND NEWMAN INC CAMBRIDGE MASS
TECHNIQUES OF SIMPLIFICATION, 29 MAR 1963.
BY LU KMAN D
WILL T
DDC NUMBER 410773
INSTRUMENT AF 19C604>07290
PROJ/TASK 563256122

AFRL 63 113
HP ASSOC PALO ALTO CALIF
INVESTIGATION OF HOT ELECTRON EMITTER, 1 DEC 1962 THROUGH
28 FEB 1963.
DDC NUMBER 406196
INSTRUMENT AF 19C628>01637
PROJ/TASK 4608 04

AFRL 63 114
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
BACKFIRE ANTENNAS FOR SHF, UHF AND VHF BANDS, APR 1963.
BY STROM J A
FRENSEPECK M W
DDC NUMBER 406095
PROJ/TASK 5635 04

AFRL 63 115
CALIFORNIA INST OF TECH PASADENA
MULTI-REFLECTOR OPTICAL RESONATORS, 10 APR 1963.
BY CLARK P O
DDC NUMBER 406323
INSTRUMENT AF 19C604>08052
PROJ/TASK 4600 06

AFRL 63 116
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
SCATTERING OF OBLIQUELY INCIDENT LIGHT WAVES BY ELLIPTICAL
FIBERS, APR 1963.
BY YEH C W H
DDC NUMBER 409077
INSTRUMENT AF 19C604>06195
PROJ/TASK 4642 02

AFRL 63 117
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
PROJECT FISH BOWL VERTICAL AND OBLIQUE SOUNDER
MEASUREMENTS C-15, APR 1963, SECRET-RESTRICTED DATA.
BY GRIFFIN W C
JONES R R
MCCART L J
NEWMAN P
SULLIVAN J A
DDC NUMBER 339723

AFRL 63 118
NORTHWESTERN U BOSTON MASS
STUDY AND INVESTIGATION OF SPEECH DATA, 15 MAR 1963.
BY DOLANSKY L
HARRIS J T
HOWARD C R
KARIS C
DDC NUMBER 413461
INSTRUMENT AF 19C628>00189
PROJ/TASK 4610 02

AFRL 63 119
TEXAS INSTRUMENTS INC DALLAS
SPEAKER RECOGNITION, MAY 1963.
BY HOLMGREN G L
DDC NUMBER 407496
INSTRUMENT AF 19C628>00345
PROJ/TASK 4610 02

AFRL 63 120A
GENERAL ELECTRIC CO SCHENECTADY N Y
SEMICONDUCTOR DEVICE CONCEPTS, 28 FEB 1963.
DDC NUMBER 408664
INSTRUMENT AF 19C628>00329
PROJ/TASK 4608 04

AFRL 63 120B
GENERAL ELECTRIC CO SYRACUSE N Y
SEMICONDUCTOR DEVICE CONCEPTS, 28 FEB 1963.
DDC NUMBER 409316
INSTRUMENT AF 19C628>00329
PROJ/TASK 4608 04

AFRL 63 121
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
ON THE CHARACTERISTICS OF A GLOW DISCHARGE BETWEEN COAXIAL
CYLINDERS IMMERSED IN A MAGNETIC FIELD, APR 1963.
BY HOFFMAN J F JR
DDC NUMBER 405869
PROJ/TASK 5633

AFRL 63 122
FLORIDA U GAINESVILLE
ASYMPTOTIC ERROR CODING BOUNDS FOR THE BINARY SYMMETRIC
CHANNEL WITH FEEDBACK, 1 APR 1963.
BY WELDON F I JR
DDC NUMBER 412791
INSTRUMENT AF 19C628>00431
PROJ/TASK 5632 04

AFRL 63 123
ILLINOIS U URBANA
MICROWAVE INVESTIGATION OF ELECTRICALLY DRIVEN SMOKE WAVES
IN GASES, MAR 1963.
BY GERARDO J
HENRICHES C D JR
GOLDSTEIN L
DDC NUMBER 407701
INSTRUMENT AF 19C604>07473
PROJ/TASK 563446101

AFRL 63 124
STANFORD U CALIF
SECOND HARMONIC GENERATION USING FERRIMAGNETIC MATERIALS
WITH MICROWAVE RESONATORS, APR 1963.
BY KIRCHNER F K
DDC NUMBER 410988
INSTRUMENT AF 19C628>00342
PROJ/TASK 4500 03

AFRL 63 125
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
THE REACTANCE OF A SYMMETRICAL PAIR OF STRIPS IN
RECTANGULAR WAVEGUIDE, 23 APR 1963.
BY LEWIN L
DDC NUMBER 406298
INSTRUMENT AF 19C604>07499
PROJ/TASK 4600 04

AFRL 63 126
AVCO-FERRETT CORP EVERETT MASS
HYDRODYNAMIC EFFECTS PRODUCED BY PULSE MICROWAVE
DISCHARGES, OCT 1962.
BY LIN S C
THEOPHILOS G P
DDC NUMBER 405407
INSTRUMENT AF 19C604>07458
PROJ/TASK 5561 12

AFRL 63 127
AVCO-FERRETT CORP EVERETT MASS
INVESTIGATION OF THE EFFECTS OF HIGH INTENSITY
ELECTROMAGNETIC WAVES ON THE TRANSPORT PROPERTIES AND
PHENOMENA OF IONIZED GAS AT ELEVATED TEMPERATURES, APR 1963
DDC NUMBER 407346
INSTRUMENT AF 19C604>07458
PROJ/TASK 5561 12

AFRL 63 128
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCE LAB L G HANSCOM FIELD MASS
ANALYSIS OF A DOUBLY-PARABOLOIDAL MIRROR SYSTEM, JUN 1963.
BY COPPEY D W
DDC NUMBER 414547
PROJ/TASK 5634

AFRL 63 129
MINNESOTA U MINNEAPOLIS
STUDIES OF PRIMARY ELECTRON SOURCES, APR 1963.
BY ANDERSON R F
DDC NUMBER 413477
INSTRUMENT AF 19C604>08181
PROJ/TASK 461946130

AFRL 63 130
PARKE MATHEMATICAL LABS INC CARLEISLE MASS
BASIC FEATURES COMMON TO SOME COMBINATORIAL COVERING
PROBLEMS, FEB 1963.
BY RILEY J A
DDC NUMBER 408347
INSTRUMENT AF 19C628>02417
PROJ/TASK 4608 04

AFRL 63 131
STANFORD RESEARCH INST MENLO PARK CALIF
ONE-SIDED MULTIPACTOR DISCHARGE MODES, APR 1963.
BY VANCE F F
WANVITZ J F
DDC NUMBER 409504
INSTRUMENT AF 19C628>00325
PROJ/TASK 4600 01

AFRL 63 132
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
A DEFORMATION METHOD FOR THE MINIMIZATION OF A QUADRATIC
FUNCTION SUBJECT TO LINEAR INEQUALITY CONSTRAINTS, MAY
1963.
BY ZAHL S
DDC NUMBER 409679
PROJ/TASK 4632 01

AFRL 63 133
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
NONLINEAR TRANSMISSION CHARACTERISTICS OF THE PLASMA
SHEATH, MAY 1963.
BY PAPA R J
DDC NUMBER 417089
PROJ/TASK 4642 01

AFRL 63 134
HARVARD U CAMBRIDGE MASS
INFORMATION STORAGE AND RETRIEVAL, JAN 1963.
BY SALTON G
INSTRUMENT AF 19C604>08509
PROJ/TASK 5632
PROJ/TASK 5633

AFRL 63 135A
NATIONAL BUREAU OF STANDARDS BOULDER COLO
THE OBLIQUE PROPAGATION OF GROUND WAVES COASTLINES
PART I, 22 APR 1963.
BY WAIT J R
INSTRUMENT PRO-62-201
PROJ/TASK 4600 04

AFRL 63 135B
NATIONAL BUREAU OF STANDARDS BOULDER COLO
THE OBLIQUE PROPAGATION OF GROUND WAVES ACROSS A COASTLINE
PART II, 15 MAY 1963.
BY WAIT J R
JACKSON C M
INSTRUMENT PRO-62-201
PROJ/TASK 4600 04

AFRL 63 136
RADIATION SYSTEMS INC ALEXANDRIA VA
INVESTIGATION OF A MULTIPLE BEAM SCANNING CIRCULAR ARRAY,
31 DEC 1962.
BY CHADWICK G C
GLASS J C
DDC NUMBER 411868
INSTRUMENT AF 19C628>00367
PROJ/TASK 4600 07

AFRL 63 137
PARKE MATHEMATICAL LABS INC CARLEISLE MASS
DECODING RULES FOR CERTAIN PRODUCT CODES, MAR 1963.
BY CALARI L
WAEFFEL H G
DDC NUMBER 409453
INSTRUMENT AF 19C604>07493
PROJ/TASK 5638

AFRL 63 138
HUGHES AIRCRAFT CO CULVER CITY CALIF
A WAVEGUIDE SLOT SWITCHING TECHNIQUE, APR 1963.
BY GOERELS F J JR
WONNEMACHER C W JR
DDC NUMBER 407186
INSTRUMENT AF 19C604>08185
PROJ/TASK 4600 01

AFRL 63 139
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
LEAKY WAVE RADIATION FROM A PERIODICALLY SLOTTED WAVEGUIDE
8 MAY 1963.
RY REHAULT J-P
INSTRUMENT AF 19<604>07499
PROJ/TASK 4600 04

AFRL 63 140
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
REDUNDANT EQUIVALENT LINEAR PASSIVE NETWORKS AND STABILITY
MAY 1963.
RY RICHMAN R L
DDC NUMBER 41338
PROJ/TASK 4608

AFRL 63 141
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
TESTING FOR EXTRASENSORY PERCEPTION WITH A MACHINE, MAY
1963.
RY SMITH W R
DAGLE F P
MILL W D
MOTT-SMITH J
DDC NUMBER 414809
PROJ/TASK 4610 07

AFRL 63 142
TEXAS U AUSTIN
AN EXPERIMENT ON MISSILE DETECTION AT GRAND HANAMA ISLAND.
<U> 30 MAY 1963. SECRET.
RY HOPKINS G JR
BOSTICK F K JR
DDC NUMBER 337867
INSTRUMENT AF 19<604>08913
PROJ/TASK 4610 01

AFRL 63 145
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
MAXIMIZING THE PERFORMANCE OF PHOTOCONDUCTORS, 30 APR 1963
RY ANDERSON W M
DREFFIN A R
DREFFIN J
DDC NUMBER 411383
INSTRUMENT AF 19<604>08353
PROJ/TASK 4608 04

AFRL 63 146
ALASKA U COLLEGE
ARCTIC PROPAGATION STUDIES AT IONOSPHERIC MODES OF
PROPAGATION, MAY 1963.
RY OWREN L
ORTNER J
FOLKESTAD K
MUNSLUCKER R D
INSTRUMENT AF 19<604>05574
PROJ/TASK 5631 03

AFRL 63 147
WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA
SPIN-LATTICE RELAXATION OF F-CENTERS IN POTASSIUM CHLORIDE
4 MAY 1963.
RY FLEMMAN D W
WARREN R W
CASTLE J G JR
DDC NUMBER 411237
INSTRUMENT AF 19<628>01640
PROJ/TASK 4608 03

AFRL 63 148
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
ON THE MINIMAL COVERING PROBLEM, JUN 1963.
RY DEFRICK S R
DDC NUMBER 415321
PROJ/TASK 563256725

AFRL 63 149A
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
NONLINEAR OSCILLATION AND NEUROELECTRIC PHENOMENA, 1, JUN
1963.
RY DEWAN F M
DDC NUMBER 411851
PROJ/TASK 5635 01

AFRL 63 150
COLUMBIA U NEW YORK N Y
A FORMAL SOLUTION TO MAXWELL-S EQUATIONS FOR GENERAL
LINEAR MEDIA, 15 MAY 1963.
RY DIAMANT P
DDC NUMBER 410527
INSTRUMENT AF 19<628>02461
PROJ/TASK 4600 04

AFRL 63 151
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
SCATTERING RESONANCES ON A FAST-WAVE STRUCTURE, JUN 1963.
RY LI R C M
DDC NUMBER 416437
INSTRUMENT AF 19<604>07499
PROJ/TASK 4600 04

AFRL 63 152
NEW YORK U NEW YORK
SOME GENERAL RESULTS FOR THE N-PORT, MAY 1963.
RY STOCK D J R
KAPLAN L J
DDC NUMBER 409704
INSTRUMENT AF 19<604>07406
PROJ/TASK 5635 01

AFRL 63 153
CALIFORNIA U BERKELEY
DC ELECTROLUMINESCENCE IN MANGANESE-ACTIVATED ALUMINUM-
OXIDE FILMS, 11 SEP 1963.
RY SPINAZZE I
DDC NUMBER 415760
INSTRUMENT AF 19<628>00324
PROJ/TASK 4634 02

AFRL 63 154
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
INVESTIGATION OF CHEMICAL NONEQUILIBRIUM EFFECTS IN
VISCOS SHOCK LAYERS, MAY 1963.
RY CHOLIMBURY R R
MERRIGAN M
STADLEMAN D
DDC NUMBER 409732
INSTRUMENT AF 19<604>08421
PROJ/TASK 4642 02

AFRL 63 155
STANFORD RESEARCH INST MENLO PARK CALIF
AN AUTOMATIC SYST M FOR MEASURING PLASMA PARAMETERS, MAY
1963.
RY SCHARFMAN W F
DDC NUMBER 408418
INSTRUMENT AF 19<628>00325
PROJ/TASK 4600 01

AFRL 63 156
DENVER U RESEARCH INST COLO
DETERMINATION OF THERMODYNAMIC PROPERTIES OF SEMICONDUCTOR
MATERIALS, 28 MAY 1963.
RY LUNDIN C F
POOL W J
SULLIVAN R W
INSTRUMENT AF 19<604>07222
PROJ/TASK 4608

AFRL 63 157
NEW YORK U NEW YORK
THE EXACT SYNTHESIS OF DISTRIBUTED RC NETWORKS, MAY 1963.
RY WYNDRUM R W JR
DDC NUMBER 409974
INSTRUMENT AF 19 628>00379
PROJ/TASK 5628 01

AFRL 63 158
RAYTHEON CO NORWOOD MASS
IONOSPHERIC DISTURBANCE STUDIES <U>, 15 FEB 1963. SECRET.
DDC NUMBER 339620
INSTRUMENT AF 19<604>05984
PROJ/TASK 464946491

AFRL 63 159
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
SIMULATION EXPERIMENTS IN TWO-WAY CONTROLLED CARRIER
TRANSMISSION, OCT 1963.
RY MARCA R J
DDC NUMBER 412459
PROJ/TASK 4610 07

AFRL 63 160
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
A LITERATURE SURVEY OF THE PURIFICATION OF ELECTRONIC
MATERIALS, JUN 1963.
RY ARMINGTON A F
DILLON G F
MITCHELL R F
DDC NUMBER 412458
PROJ/TASK 5620 04

AFRL 63 161
RCA VICTOR CO LTD MONTREAL P Q CANADA
MICROWAVE MEASUREMENTS OF FINITE PLASMAS, MAY 1963.
RY BACHYNSKI M P
CLOUTIER G G
GRAF K A
DDC NUMBER 415324
INSTRUMENT AF 19<604>07334
PROJ/TASK 4642 01

AFRL 63 162
RAYTHEON CO WALTHAM MASS
INVESTIGATION OF EFFECTS OF ION-INDUCED DEFECTS ON SURFACE
REACTIONS.
RY MARGONINSKI Y
SHOOTER D
DDC NUMBER 410488
INSTRUMENT AF 19<604>08004
PROJ/TASK 5620 03

AFRL 63 163
DARKE MATHEMATICAL LABS INC CARLISLE MASS
PROGRESSIVE RELIABILITY FUNCTIONS, JAN 1963.
RY DARKE N G III
MONTGOMERY C R
DDC NUMBER 413136
INSTRUMENT AF 19<628>02417
PROJ/TASK 4608 04

AFRL 63 164
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
A MATHEMATICAL MODEL OF PLUM-S THEORY OF PATTERN
RECOGNITION, APR 1963.
RY KOTELLY J C
DDC NUMBER 412437
PROJ/TASK 4645

AFRL 63 165
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
ELECTROMAGNETIC BOUNDARY WAVES <AN INTRODUCTION>, JUN 1963
RY ZUCKER F J
DDC NUMBER 412287
PROJ/TASK 5635 02

AFRL 63 166
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
RADIATION FROM A CHARGED PARTICLE PASSING THROUGH A
CIRCULAR OPENING IN A PERFECTLY CONDUCTING SCREEN, MAR 1963
RY RONCHI L
DDC NUMBER 413342
INSTRUMENT AF-E0AR -0103-62
PROJ/TASK 5635 01

AFRL 63 167
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
TRANSITION RADIATION FOR A CHARGED PARTICLE AT OBLIQUE
INCIDENCE, MAR 1963.
RY RONCHI L
DDC NUMBER 413446
INSTRUMENT AF-E0AR -0103-62
PROJ/TASK 5635 01

AFRL 63 168
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
RADIATION FROM A CHARGED PARTICLE IN UNIFORM STRAIGHT
MOTION THROUGH A PERIODIC SET OF DIELECTRIC PLATES, MAR
1963.
RY SCHEGGI A M
DDC NUMBER 413338
INSTRUMENT AF-E0AR -0103-62
PROJ/TASK 5635 01

AFRL 63 169
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
FUNDAMENTAL RESEARCH ON ELECTROMAGNETIC THEORY AND
MICROWAVE SPECTROSCOPY, MAY 1963.
RY PRATESI B
RONCHI L
SCHEGGI A M
DE FRANCIA G T
DDC NUMBER 413327
INSTRUMENT AF-E0AR -0103-62
PROJ/TASK 5635 01

AFCL 63 170
GENERAL TELEPHONE AND ELECTRONICS LABS INC BAYSIDE N Y
STUDY OF ADSORPTION OF GASES ON SOLIDS IN THE HIGH VACUUM
RANGE, 30 APR 1963.
BY BLIVEN C W DDC NUMBER 410433
FLORIO J V INSTRUMENT AF 19C628>00331
POLANYI Y G PROJ/TASK 5634 05

AFCL 63 171
WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA
PARAMAGNETIC RESONANCE ABSORPTION BY THE TITANIUM ION IN
CORUNDUM, 22 MAY 1963.
BY CASTLE J G JR DDC NUMBER 416223
FLEMMAN D W INSTRUMENT AF 19C628>01640
BURNHAM D C PROJ/TASK 4608 03
RITMA C

AFCL 63 172
INTERNATIONAL TELEPHONE AND TELEGRAPH CORP HUTLEY N J
TRACE IMPURITY EFFECTS ON GROWTH KILLOCKS DURING EXITRIAL
ELECTRODEPOSITION FROM COPPER PEROCHLORATE SOLUTIONS, MAY
1963.
BY SHANFIELD D DDC NUMBER 411873
LIGHTY P F INSTRUMENT AF 19C604>08490
PROJ/TASK 4608 03

AFCL 63 173
BOSTON COLL CHESTNUT HILL MASS
GEOLOGY OF THE BASIN COMPLEX OF SOUTHEASTERN NEBRASKA,
NORTHEASTERN KANSAS AND VICINITY, 12 JUN 1963.
BY REPMAN J W DDC NUMBER 414556
INSTRUMENT AF 19C628>01622
PROJ/TASK 4610 01

AFCL 63 174
ROYAL INST OF TECH STOCKHOLM SWEDEN
ACOUSTIC SPECIFICATION OF SPEECH, 28 JAN 1963.
BY FANT C G W INSTRUMENT AF-E0AR -0082-62
PROJ/TASK 4610 02

AFCL 63 175
ROYAL INST OF TECH STOCKHOLM SWEDEN
QUARTERLY PROGRESS AND STATUS REPORT, 15 JAN 1963.
BY FANT C G W INSTRUMENT AF-E0AR -0082-62
PROJ/TASK 4610 02

AFCL 63 176
CORNELL U ITHACA N Y
CONSTRUCTION OF THE DEPARTMENT OF DEFENSE IONOSPHERIC
RESEARCH FACILITY - VI, 30 JUN 1963.
INSTRUMENT AF 19C604>06158
PROJ/TASK 4781

AFCL 63 177
AEROSPACE RESEARCH INC BOSTON MASS
TESTING OF IONOSPHERIC ABSORPTION MEASUREMENT EQUIPMENT
AND STUDY OF IMPROVED TECHNIQUES FOR DATA COLLECTION, 30
APR 1963.
BY FIDSON J R DDC NUMBER 417643
GOLDMAN S C INSTRUMENT AF 19C628>00359

AFCL 63 178
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
EVAPORATED THIN-FILM DEVICES, 10 JUN 1963.
BY BORKAN M DDC NUMBER 417887
WAXMAN A INSTRUMENT AF 19C628>01617
SMALLCROSS F V PROJ/TASK 4608 04
WEIFER R K

AFCL 63 179
MASSACHUSETTS INST OF TECH CAMBRIDGE
PERCEPTION OF TWO-COMPONENT NOISE BURSTS.
BY STEVENS K M INSTRUMENT AF 19C604>06102
SANDER T T PROJ/TASK 4610 02
HOUER A S

AFCL 63 180
MASSACHUSETTS INST OF TECH CAMBRIDGE
ANALYSIS OF NASAL CONSONANTS, DEC 1962.
J ACQUIST SOC AM 76 12 1865-1875
BY FUJIMURA O INSTRUMENT AF 19C604>06102
PROJ/TASK 4610 02

AFCL 63 181
SYSTEMS DEVELOPMENT CORP SANTA MONICA CALIF
AN EXTENSION OF ALGOL-LIKE LANGUAGES, 21 MAY 1963.
BY ROSE R F DDC NUMBER 408666
INSTRUMENT AF 19C628>00485
PROJ/TASK 464146410

AFCL 63 182
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
LINE SOURCE ANTENNA ARRAYS FOR CONTROL OF PATTERN,
DISPERSION AND PHASE, JUN 1963.
BY SLETTEN C J DDC NUMBER 413410
BLACKSMITH F JR PROJ/TASK 4600 07
MOLT F S

AFCL 63 183
PITTSBURGH U PA
A STUDY OF RADIATION EFFECTS ON SOLIDS USING CYCLOTRON
IRRADIATIONS, 14 JUN 1963.
BY TOWNSEND J P INSTRUMENT AF 19C604>03906
PROJ/TASK 4620 02

AFCL 63 184
ALASKA U COLLEGE
STUDY OF THE ARCTIC IONOSPHERE BY MEANS OF STEP-FREQUENCY
BACKSCATTER SOUNDING, JUN 1963.
BY RATES H F DDC NUMBER 412950
INSTRUMENT AF 19C628>00440

AFCL 63 184
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
THEORY OF ADJUSTABLE SWITCHING NETWORKS, 30 APR 1963.
BY AMARFI S DDC NUMBER 414517
LEVY R V INSTRUMENT AF 19C604>08423
SRINIVASANA C V PROJ/TASK 4641 01
WINDER R O

AFCL 63 186
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
ACCURATE LOG AND INVERSE-LOG FUNCTION GENERATING CIRCUITS
FOR USE IN DIGITAL VOCODER PITCH CHANNEL, JUN 1963.
BY KRIGER L V DDC NUMBER 413479
PROJ/TASK 4610 02

AFCL 63 187
NEW YORK U NEW YORK
RELIABILITY IMPROVEMENT OF DIGITAL COMMUNICATION USING
REDUNDANCY IN UNCERTAINTY REGION RECEPTION, JUN 1963.
BY KURZ L DDC NUMBER 414370
INSTRUMENT AF 19C604>06128
PROJ/TASK 4610 03

AFCL 63 188
INTERNATIONAL RESEARCH INST PRINCETON N J
INTRODUCTION TO SEMI-AUTOMATED MATHEMATICS, SECTION ONE,
A PROGRAMMING LANGUAGE FOR NATURAL DEDUCTION, SECTION TWO,
AXIOMATIC THEOREM PROVING, 15 APR 1963.
BY MOTT T H JR DDC NUMBER 411929
GIARD J B INSTRUMENT AF 19C628>00468
BENNETT J H PROJ/TASK 5632 05
FASTON W R

AFCL 63 189
CUTLER-HAMMER INC DEER PARK N Y
ANTENNA SITING STUDY, JUN 1963.
BY DOPOVICH R DDC NUMBER 415810
INSTRUMENT AF 19C604>08814
PROJ/TASK 4600 04

AFCL 63 191
NEW YORK U NEW YORK
ON THE PRINCIPLE OF LIMITING ABSORPTION (RUS'IAN).
BY EIDUS D W INSTRUMENT AF 19C604>05238
PROJ/TASK 5635 02

AFCL 63 192
OXFORD U ENGLAND
PROPERTIES OF RARE EARTH AND TRANSITION GROUP IONS, 4 APR
1963.
BY ALFANBY A DDC NUMBER 411447
INSTRUMENT AF 61C052>00124
PROJ/TASK 5621 04

AFCL 63 193
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
THE VERNEUIL FURNACE - ITS OPERATION AND FUNCTIONAL USE IN
GROWING SINGLE CRYSTALS,
LAPIDARY J DEC 1962
BY OSHERSKY G D DDC NUMBER 412447
HEMMENWAY K N PROJ/TASK 5621

AFCL 63 194
GENERAL TELEPHONE AND ELECTRONICS LABS INC BAYSIDE N Y
STUDIES OF ELECTRONIC MATERIALS AND THERMIONIC EMISSION
PROCESSES, 31 JAN 1963.
BY FLORIO J V DDC NUMBER 413928
SANDOR A INSTRUMENT AF 19C604>07286
WALLACE R A PROJ/TASK 4619 01
POLANYI T G

AFCL 63 195
CALIFORNIA U BERKELEY
DISPERSION RELATIONS FOR QUASI-STATIC WAVES ON MOVING
FINITE CROSS-SECTION PLASMAS, 14 DEC 1962.
BY LICHTENBERG A J DDC NUMBER 416790
INSTRUMENT AF 19C628>00724
PROJ/TASK 5634 02

AFCL 63 196
LITTLE ARTHUR D INC CAMBRIDGE MASS
A DOUBLE COMPOUND THERMAL IMAGING SYSTEM FOR THE
DEVELOPMENT OF HIGH-TEMPERATURE ELECTRONIC MATERIALS, JUN
1963.
BY RICHARDSON D L DDC NUMBER 415046
INSTRUMENT AF 19C604>08445
PROJ/TASK 461746170

AFCL 63 197
GHANA U COLL LEGON
EQUATORIAL STUDY OF IRREGULARITIES IN THE IONOSPHERE, 1
MAR 1963.
BY CLEMENSA R D DDC NUMBER 410083
KENT G S INSTRUMENT AF 61C052>00421
KOSTER J R PROJ/TASK 563156313
WRIGHT R W H

AFCL 63 198
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY
A STUDY OF IONOSPHERIC IRREGULARITIES, 10 MAR 1963.
BY AGER H DDC NUMBER 410543
CHRISTENSEN P INSTRUMENT AF 61C052>00500
WAGROG T PROJ/TASK 563156313

AFCL 63 199A
RAYTHEON CO WAYLAND MASS
INVESTIGATION OF MICROWAVE COUPLING AND ENERGY PARTITION
AND TRANSPORT WITHIN A PLASMA, VOL 1, JUN 1963.
INSTRUMENT AF 19C604>07339
PROJ/TASK 461946191
PROJ/TASK 5661

AFRL 63 1999
RAYTHEON CO WAYLAND MASS
INVESTIGATION OF MICROWAVE COUPLING AND ENERGY PARTITION
AND TRANSPORT WITHIN A PLASMA. VOL II, JUN 1963.
INSTRUMENT AF 19C604D07339
PROJ/TASK 461966191
PROJ/TASK 5561

AFRL 63 200
HARVARD U CAMBRIDGE MASS
CLASSIFICATION OF SOLAR PROMINENCES FOR SUNSPOT CYCLE NO.
19, 1946, JAN 1963.
BY MENZEL D H DDC NUMBER 400740
JONES F S INSTRUMENT AF 19C604D04962
PROJ/TASK 764976490

AFRL 63 201
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
DISPERSION OF RAYLEIGH WAVES ALONG THE MID-ATLANTIC RIDGE,
JAN 1963.
BY OSSING H A DDC NUMBER 401381
PROJ/TASK 7639

AFRL 63 202
TEXAS U AUSTIN
OPERATION AND PERFORMANCE OF THE CEDAR HILL METEOROLOGICAL
TOWER FACILITY, 31 DEC 1962.
BY MITCHAM W S DDC NUMBER 297242
GERHARDT J R INSTRUMENT AF 19C604D05556
PROJ/TASK 765576551

AFRL 63 203
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
A SIMPLIFIED SINE ANEMOMETER FOR MEASURING THE VERTICAL
COMPONENT OF WIND VELOCITY, JAN 1963.
BY KATHAL J C DDC NUMBER 402177
PROJ/TASK 7655

AFRL 63 204
NEW YORK U NEW YORK
MAGNETO-HYDRODYNAMICS, DEC 1962.
BY DDC NUMBER 298642
INSTRUMENT AF 19C604D06144
PROJ/TASK 860086004

AFRL 63 205
HARVARD U CAMBRIDGE MASS
CLASSIFICATION OF SOLAR PROMINENCES FOR SUNSPOT CYCLE NO.
19, 1947, JAN 1963.
BY MENZEL D H DDC NUMBER 400740
JONES F S INSTRUMENT AF 19C604D04962
PROJ/TASK 764976490

AFRL 63 206
NORTHEASTERN U BOSTON MASS
EXPERIMENTAL INVESTIGATION FOR THE MEASUREMENT OF PARTICLE
DAMAGE TO SURFACES OF SPACE VEHICLES, 31 DEC 1962.
BY OPPENHEIM R R DDC NUMBER 299011
NARDONE L J INSTRUMENT AF 19C604D07311
PROJ/TASK 7667 01

AFRL 63 207
ALASKA U COLLEGE
EARTH CURRENTS AT THE AURORAL ZONE, DEC 1962.
BY HICKLER V P DDC NUMBER 299995
HEACOCK B R INSTRUMENT AF 19C604D09075
PROJ/TASK 860186017

AFRL 63 208
TEXAS INSTRUMENTS INC DALLAS
TERRAIN QUANTIFICATION, PHASE 1, SURFACE GEOMETRY
MEASUREMENTS, 31 DEC 1961.
BY CABR D D DDC NUMBER 297492
VAN LOPEK J R INSTRUMENT AF 19C628D00481
PROJ/TASK 7628 05

AFRL 63 209
JOHNS HOPKINS U BALTIMORE MD
RESEARCH IN ATMOSPHERIC MECHANICS, DEC 1962.
BY BENTON G S DDC NUMBER 297132
INSTRUMENT AF 19C604D06147
PROJ/TASK 860486043

AFRL 63 210
GEOPHYSICS CORP OF AMERICA BEDFORD MASS
COMPUTATION OF ATMOSPHERIC COMPOSITION CHANGES, INWARD
RADIATION, AND EVALUATION OF BACKGROUND FLUCTUATIONS ON
SYSTEMS COS, 14 DEC 1962. SECRET-RESTRICTED DATA.
BY DEGGES T C DDC NUMBER 401058
CARPENTER F O-P INSTRUMENT AF 19C628D00219

AFRL 63 211
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
EVALUATION OF MODIFICATION TO ANTENNA OF RAWIN SET
AN/GMD-2, JAN 1963.
BY POCS K DDC NUMBER 296192
PROJ/TASK 6682

AFRL 63 212
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
ELECTRON IMPACT STUDY OF NITROGEN, DEC 1962.
BY LASKER F M DDC NUMBER 296810
GLASER F W INSTRUMENT AF 19C604D04541
PROJ/TASK 763576353

AFRL 63 213
AVCO CORP WILMINGTON MASS
IMMEDIATE SOLAR-FLARE EFFECTS, 26 MAR 1961 TO 26 NOV 1962,
11 FEB 1963.
BY SWIFT D W DDC NUMBER 296192
BOHRER W G INSTRUMENT AF 19C604D08058
PROJ/TASK 7200

AFRL 63 214
MARTIN MARITTA CORP RIAS INC BALTIMORE MD
NEUTRON MEASUREMENTS OUTSIDE THE EARTH-S ATMOSPHERE, JAN
1963.
BY WITTEN L DDC NUMBER 297511
MARTIN J P INSTRUMENT AF 19C604D07244
PROJ/TASK 17649797

AFRL 63 215
PENNSYLVANIA STATE U UNIVERSITY PARK
PERTURBATION METHODS APPLIED TO THE REFLECTION OF RADIO
WAVES FROM THE IONOSPHERE, 1 FEB 1963.
BY NORMAN P W DDC NUMBER 297419
INSTRUMENT AF 19C604D04563
PROJ/TASK 8605 01

AFRL 63 216
TEMPLE U PHILADELPHIA PA
VOLTAGE MEASUREMENTS IN THE PRESENCE OF STRONG FIELDS, 15
DEC 1962.
BY MOSES K G DDC NUMBER 298276
KORNFELT Y INSTRUMENT AF 19C628D00215
PROJ/TASK 860886086

AFRL 63 218
COLUMBIA U NEW YORK N Y
MANTLE SHEAR WAVE VELOCITIES DETERMINED FROM OCEANIC LOVE
AND RAYLEIGH WAVE VELOCITIES, DEC 1962.
BY SVETL L DDC NUMBER 403920
LANDISMAN M INSTRUMENT AF 19C604D07376
PROJ/TASK 865286522

AFRL 63 219
COLUMBIA U NEW YORK N Y
NUMERICAL INVERSION OF SEISMIC SURFACE WAVE DISPERSION
DATA AND CRUST-MANTLE STRUCTURE IN THE NEW YORK-
PENNSYLVANIA AREA, DEC 1962.
BY GEOPHYS RES 67 13 1962
BY NORMAN J DDC NUMBER 403921
INSTRUMENT AF 19C604D07376
PROJ/TASK 865286522

AFRL 63 220
HARVARD U CAMBRIDGE MASS
THE THEORY OF ATMOSPHERIC SEEING, FEB 1963.
BY MENZEL D H INSTRUMENT AF 19C604D04962
PROJ/TASK 764976490

AFRL 63 221
CORNELL AERONAUTICAL LAB INC BUFFALO N Y
EXPERIMENT LINEARIZATION, 17 JAN 1963.
BY VON RIEP M A DDC NUMBER 299089
INSTRUMENT AF 19C604D08842
PROJ/TASK 8651

AFRL 63 222
WASHINGTON U SEATTLE
APPLICATION OF RADAR DATA TO PROBLEMS IN SYNOPTIC
METEOROLOGY, DEC 1962.
BY REED R J DDC NUMBER 298616
KREITZBERG C W INSTRUMENT AF 19C604D05192
PROJ/TASK 864186414

AFRL 63 223
STANFORD RESEARCH INST MENLO PARK CALIF
THE USE OF SYNOPTIC SCALE WEATHER RADAR OBSERVATIONS IN
THE INTERPRETATION OF SATELLITE CLOUD OBSERVATIONS, DEC
1962.
BY NAGLE R F DDC NUMBER 298113
LIGDA M G H INSTRUMENT AF 19C628D00284
BLACKMER R W JR PROJ/TASK 669866982

AFRL 63 224
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
RADIO ASTRONOMY - A SURVEY, JAN 1963.
BY BARBER A W DDC NUMBER 402109
MULLEN J P PROJ/TASK 5629

AFRL 63 225
ARKANSAS U FAYETTEVILLE
SPECTROSCOPIC STUDIES WITH ION BEAMS, SEP 1962.
BY HUGHES R M DDC NUMBER 401058
PHILPOT J L INSTRUMENT AF 19C604D04966
DODD J G PROJ/TASK 766176614
LIN S

AFRL 63 226
LAR CENTRALE DES INDUSTRIES ELECTRIQUES PARIS FRANCE
PHOTO-MAGNETO-ELECTRIC EFFECT IN GRADED-GAP SEMICONDUCTORS
1 APR 1960 TO 30 APR 1962.
BY FORTINI A DDC NUMBER 298647
INSTRUMENT AF 61C052D00408
PROJ/TASK 669266921

AFRL 63 227
HEBRON U JERUSALEM ISRAEL
THE GROUND STATE SPLITTING AND OPTICAL SPECTRA OF
CONFIGURATION IN CUPIC CRYSTALLING FIELDS, SEP 1962.
BY LOW W DDC NUMBER 298626
ROSENGARTEN G INSTRUMENT AF 61C052D00549
PROJ/TASK 6696 01

AFRL 63 228
UDDEVALA U SWEDEN
DIFFERENT TYPES OF MUSICAL ATMOSPHERICS AND THEIR
RELATIONS TO LIGHTNING DISCHARGES, 1962.
BY KNINDEN F DDC NUMBER 404953
NORINDER W INSTRUMENT AF 61C052D00007
PROJ/TASK 766376635

AFRL 63 229
LONDON U BEDFORD COLL ENGLAND
NUMERICAL RESULTS, 25 OCT 1962.
BY KENDALL P C
DDC NUMBER 298909
INSTRUMENT AF 61<052>-0041-61
PROJ/TASK 763576360

AFRL 63 230
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
TEMPERATURE DEPENDENCE OF PRESSURE-INDUCED SHIFTS OF HCL
LINES DUE TO KENON, OCT 1962.
BY JAFFE J H
LANDAU A
RHM-RF1VFV A
DDC NUMBER 404952
INSTRUMENT AF 61<052>00388
PROJ/TASK 860386033

AFRL 63 231
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
PRESSURE-INDUCED SHIFTS OF INFRARED LINES DUE TO POLAR
MOLECULES, OCT 1962.
BY DYLLER F K
MIRSHFIELD M A
JAFFE J H
DDC NUMBER 298728
INSTRUMENT AF 61<052>00388
PROJ/TASK 860386033

AFRL 63 232
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
THE STRENGTH OF THE V₂ VIBRATION OF H₂O, OCT 1962.
BY JAFFE J H
BENEDICT W S
DDC NUMBER 298648
INSTRUMENT AF 61<052>00388
PROJ/TASK 860386033

AFRL 63 233
LIEGF U BELGIUM
MIE SCATTERING FUNCTIONS FOR SPHERICAL PARTICLES OF
REFRACTIVE INDEX M=1.25, 30 NOV 1962.
BY REMY-BARRIAU L
DDC NUMBER 298255
INSTRUMENT AF 61<052>00587
PROJ/TASK 860586055

AFRL 63 234
BLOCK ASSOC INC CAMBRIDGE MASS
DEVELOPMENT OF A ROCKET-BORNE INFRARED SPECTROMETER
EMPLOYING THE PRINCIPLES OF MOCK INTERFEROMETRY, 16 JAN
1963.
BY YOUNG N D
MERTA L
ARMITAGE J
DDC NUMBER 402605
INSTRUMENT AF 19<604>05738
PROJ/TASK 490449045

AFRL 63 235
HAWAII U HONOLULU
SOME ASPECTS OF THE METEOROLOGY OF THE TROPICAL PACIFIC
VIEWED FROM AN ATOLL, JAN 1963.
BY LAVOIE R L
DDC NUMBER 402142
INSTRUMENT AF 19<604>07229
PROJ/TASK 8641 15

AFRL 63 236
DURHAM U ENGLAND
MEASUREMENT OF LOW ELECTRIC FIELDS UNDER UPPER ATMOSPHERE
CONDITIONS, NOV 1962.
BY CHALMERS J A
HUTCHINSON W C A
WILDMAN J L
EDWARDS M G
DDC NUMBER 418211
INSTRUMENT AF 61<052>00278
PROJ/TASK 861786171
PROJ/TASK 767376733

AFRL 63 237
TECHNISCHE HOCHSCHULE DARMSTADT WEST GERMANY
ON THE EULYERIAN AND LAGRANGEAN STATISTICS OF VERY LARGE-
SCALE ATMOSPHERIC MOTIONS, 31 AUG 1962.
BY WIDPERMAN F
GAURCIK P
KLUG W
DDC NUMBER 298253
INSTRUMENT AF 61<052>00366
PROJ/TASK 860486043

AFRL 63 238
CALIFORNIA U LOS ANGELES
INSTABILITY OF STRATIFIED SHEAR FLOW, MAR 1963.
BY HOLMROF J
DDC NUMBER 400567
INSTRUMENT AF 19<604>07999
PROJ/TASK 862886280

AFRL 63 239
QUEEN'S U BELFAST NORTHERN IRELAND
THE HYDROXYL BANDS IN THE NIGHTGLOW.
BY FERGUSON A F
PARKINSON D
DDC NUMBER 298627
INSTRUMENT AF-EOAR -0118-62
PROJ/TASK 7673

AFRL 63 240
HARVARD U CAMBRIDGE MASS
THE BRIGHTNESS OF THE SKY IN THE VICINITY OF THE SUN, MAR
1963.
BY MENZEL D H
SEN H K
DDC NUMBER 403103
INSTRUMENT AF 19<604>04962
PROJ/TASK 764976490

AFRL 63 241
CALIFORNIA U BERKELEY
STOCHASTIC MODELS FOR THE INTERPRETATION OF METEOROLOGICAL
DATA.
BY DAVID F N
DDC NUMBER 401682
INSTRUMENT AF 19<604>08051
PROJ/TASK 862486242

AFRL 63 242
NEW HAMPSHIRE U DURHAM
VARIATIONS IN THE COSMIC-RAY NUCLEONIC INTENSITY.
BY LOCKWOOD J A
DDC NUMBER 299292
INSTRUMENT AF 19<604>04552
PROJ/TASK 8600 03

AFRL 63 243
GENERAL DYNAMICS CORP ASTRONAUTICS SAN DIEGO CALIF
AUTOMATIC DATA PROCESSING OF WEATHER SATELLITE DATA, 31
JAN 1963.
BY MARGGRAF W A
DDC NUMBER 404740
INSTRUMENT AF 19<604>08861
PROJ/TASK 669866981

AFRL 63 244
TEXAS A AND M RESEARCH FOUNDATION COLLEGE STATION
THE TEXAS DEW POINT FRONT AS SEEN BY TIROS I, 1 FEB 1963.
BY HENRY W K
THOMPSON A H
DDC NUMBER 404877
INSTRUMENT AF 19<604>08450
PROJ/TASK 669866982

AFRL 63 245
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
PRELIMINARY RESULTS OF DENSITY MEASUREMENTS FROM AN AIR
FORCE SATELLITE, FEB 1963.
BY MCISSAC J
POND H
STERGIS C
DDC NUMBER 407980
PROJ/TASK 6690

AFRL 63 246
LITTLE ARTHUR D INC CAMBRIDGE MASS
DEVELOPMENT OF AN EXPLOSIVE SYSTEM FOR ACCELERATING A
METAL PELLET, 30 JAN 1963.
BY SYKES W G
VRABLIK F A
DDC NUMBER 297980
INSTRUMENT AF 19<604>07480
PROJ/TASK 766776671

AFRL 63 247
ALLIED RESEARCH ASSOC INC CONCORD MASS
SYNOPTIC INTERPRETATIONS AND HEAT BALANCE DETERMINATION
FROM TIROS II RADIATION DATA, 4 JAN 1963.
BY WEXLER R
DDC NUMBER 299962
INSTRUMENT AF 19<628>00429
PROJ/TASK 6698 03

AFRL 63 248
GENERAL DYNAMICS CORP ASTRONAUTICS SAN DIEGO CALIF
MISSILE RADIATION IN THE LAUNCH PHASE <U>, 31 DEC 1962.
SECRET.
DDC NUMBER 335086
INSTRUMENT AF 19<604>05554
PROJ/TASK 4784

AFRL 63 249
BLOCK ASSOC INC CAMBRIDGE MASS
RESEARCH AND DEVELOPMENT OF NEW TECHNIQUES AND EQUIPMENT
FOR ROCKET-BORNE SPECTRORADIOMETRIC SYSTEMS, 9 JAN 1963.
BY DANA F K
CELINAS R C
JONES C W
MERTZ L
PERSKY V
WUNTJES G
YOUNG N D
DDC NUMBER 404879
INSTRUMENT AF 19<604>08016
PROJ/TASK 4904

AFRL 63 250
COLUMBIA U NEW YORK N Y
THE SEISMIC MOTION OF THE DEEP OCEAN FLOOR, 1 APR 1961 TO
31 DEC 1961.
BY PRENTISS D D
EWING J I
DDC NUMBER 407902
INSTRUMENT AF 19<604>08357
PROJ/TASK 865286523

AFRL 63 251
PUERTO RICO U MAYAGUEZ
ADDITIONAL DATA ON THE DETERMINATION OF IONOSPHERIC DRIFTS
AND TURBULENCE FROM RADIO FADING RECORDS, JUL 1962.
BY WIEWALL M JR
INSTRUMENT AF 19<604>02036
PROJ/TASK 766376633
PROJ/TASK 8605 01

AFRL 63 252
GEORGIA INST OF TECH ATLANTA
STUDY OF NATURAL ULTRAVIOLET BACKGROUNDS AT HIGH ALTITUDE,
DEC 1962.
BY EDWARDS L H D
RHODES F
KURTS D
DDC NUMBER 298992
INSTRUMENT AF 19<604>08840
PROJ/TASK 490449040

AFRL 63 253
COLUMBIA U NEW YORK N Y
GLACIAL AND POST GLACIAL QUICK CLAYS, 6 FEB 1963.
BY KFRP P F
LIEBLING R S
DDC NUMBER 414488
INSTRUMENT AF 19<604>08387
PROJ/TASK 762876298

AFRL 63 254
BLOCK ASSOC INC CAMBRIDGE MASS
DESIGN HISTORY AND THEORY OF OPERATION OF A TWO-CHANNEL,
ROCKET-BORNE FRETT GRATING SPECTROMETER, 9 JAN 1963.
BY PERSKY M J
DANA F K
WYNTJES G
DDC NUMBER 402611
INSTRUMENT AF 19<604>05738
PROJ/TASK 490449045

AFRL 63 255
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
RADIO ASTRONOMICAL STUDIES, MAR 1963.
BY AARONS J
WHITNEY H
DDC NUMBER 403636
PROJ/TASK 5629

AFRL 63 256
PENNSYLVANIA STATE U UNIVERSITY PARK
LOW FREQUENCY SWEEP GROUP HEIGHT AND POLARIZATION RECORDS,
15 FEB 1963.
BY HARDY J D
INSTRUMENT AF 19<604>08012
PROJ/TASK 8605 01

AFRL 63 257
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
CUMULONIMBUS CONVECTION IN SHEAR, NOV 1962.
BY GREEN J S A
PFARCE R P
DDC NUMBER 298951
INSTRUMENT AF 61<052>00254
PROJ/TASK 862086204

AFCLR 63 258
RHODE ISLAND U KINGSTON
RAYLEIGH WAVE TRANSMISSION ON ELASTIC WEDGES, JAN 1963.
BY KANE J
SPENCE K
DDC NUMBER 404261
INSTRUMENT AF 19<628>00319
PROJ/TASK 8100

AFCLR 63 259
ORSERVATOIRE DE PARIS MEUDON FRANCE
UNDAMPED WAVES IN A COLLISION FREE ELECTRON PLASMA, 10 JUL 1962.
BY MCLEAN D
INSTRUMENT AF 61<052>00432
PROJ/TASK 860886088

AFCLR 63 260
MAX-PLANCK-INST FUR CHEMIE MAINZ WEST GERMANY
TRITIUM DETERMINATIONS IN ATMOSPHERIC GASES AND METEORITES
1 NOV 1961 TO 31 OCT 1962.
BY BEGEMAN F
DDC NUMBER 298974
INSTRUMENT AF 61<052>00465
PROJ/TASK 769076901

AFCLR 63 261
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
STUDIES IN TERRESTRIAL SPECTROSCOPY, 3 JAN 1963.
BY PEKERIS C L
ALTERMAN Z
JAROSCH H
DDC NUMBER 298649
INSTRUMENT AF 61<052>00509
PROJ/TASK 865286525

AFCLR 63 262
TENNESSEE U KNOXVILLE
THE DEPENDENCE OF ON-LINE BREADTH OF THE SPECTRAL LINE R
<4> OF HYDROGEN FLUORIDE, MAR 1963.
BY HARDT H A
DDC NUMBER 403784
INSTRUMENT AF 19<604>07981
PROJ/TASK 7670 02

AFCLR 63 280
NEW YORK U NEW YORK
AN IMPROVED MINIMUM PRINCIPLE FOR SINGLE CHANNEL
SCATTERING.
BY HAHN Y
OMALLEY T F
SPRUCH L
DDC NUMBER 414672
INSTRUMENT AF 19<604>04555
PROJ/TASK 7635 07

AFCLR 63 281
NEW YORK U NEW YORK
EXTRAPOLATION OF ELECTRON - RARE GAS ATOM GROSS SECTIONS
TO ZERO ENERGY.
BY OMALLEY T F
DDC NUMBER 413107
INSTRUMENT AF 19<604>04555
PROJ/TASK 7635 07

AFCLR 63 282
MASSACHUSETTS INST OF TECH CAMBRIDGE
MAGNETIC TAPE COPIES OF MIT GEOPHYSICS PROGRAM SFT I
<TIME SERIES PROGRAMS FOR THE IBM 709, 7090>, 30 DEC 1962.
BY SIMPSON S M JR
DDC NUMBER 299069
INSTRUMENT AF 19<604>07378
PROJ/TASK 8652 03

AFCLR 63 283
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
THE STRENGTHS OF ADSORPTION LINES IN THE 2-0 BAND OF
CARBON MONOXIDE, DEC 1962.
BY OPPENHEIM U P
GOLDRING H
DDC NUMBER 404042
INSTRUMENT AF 61<052>00388
PROJ/TASK 8603 03

AFCLR 63 284
TECHNISCHE HOCHSCHULE DARMSTADT WEST GERMANY
SOME PROBLEMS OF ATMOSPHERIC DIFFUSION ON VERY LARGE SCALE
31 OCT 1962.
BY MFSINGER F
DDC NUMBER 402328
INSTRUMENT AF 61<052>00366
PROJ/TASK 860486043

AFCLR 63 285
PENNSYLVANIA STATE U UNIVERSITY PARK
THEORETICAL DETERMINATION OF THE IMPEDANCE CHARACTERISTICS
OF A CAPACITIVE IONOSPHERE ROCKET PROBE, 1 MAR 1963.
BY HERMAN J R
DDC NUMBER 403135
INSTRUMENT AF 19<604>08012
PROJ/TASK 7663 01

AFCLR 63 286
COLUMBIA U NEW YORK N Y
SURFACE-WAVE STUDIES OF THE PACIFIC CRUST AND MANTLE.
GEOPHYS MONOGRAPH 6 1962
BY EWING M
BRUNE J
KUD J
DDC NUMBER 403902
INSTRUMENT AF 19<604>07376
PROJ/TASK 865286522

AFCLR 63 287
COLUMBIA U NEW YORK N Y
A TRANSIENT TECHNIQUE FOR SEISMOGRAPH CALIBRATION.
BULL SEISMOL SOC AM 52 4 767-779 OCT 1962
BY ESPINOSA A F
SUTTON G H
MILLER H J
DDC NUMBER 403910
INSTRUMENT AF 19<604>07376
INSTRUMENT AF 19<604>08375
PROJ/TASK 865286522

AFCLR 63 288
BAIRD ATOMIC INC CAMBRIDGE MASS
RESEARCH IN INFRARED INTERFEROMETRY AND OPTICAL MASERS.
21 FEB 1963.
BY BILLINGS B
DDC NUMBER 400736
INSTRUMENT AF 19<604>02264
PROJ/TASK 767076703

AFCLR 63 289
PENNSYLVANIA STATE U UNIVERSITY PARK
THE COMPOSITION AND STRUCTURE OF THE TERRESTRIAL
ATMOSPHERE, 15 MAY 1963.
BY NICOLET M
DDC NUMBER 299992
INSTRUMENT AF 19<604>04563
PROJ/TASK 8605 01
PROJ/TASK 8605 02
PROJ/TASK 8653

AFCLR 63 290
PENNSYLVANIA STATE U UNIVERSITY PARK
AN IMPROVED LOW FREQUENCY SWEEP POLARIMETER, 1 APR 1963.
BY WEISBROD S
FERRARO A J
DDC NUMBER 401674
INSTRUMENT AF 19<604>08012
PROJ/TASK 8605 01

AFCLR 63 291
PENNSYLVANIA STATE U UNIVERSITY PARK
ELECTROMAGNETIC NONLINEAR INTERACTION AND REFLECTION FROM
A PLANE IONIZED MEDIUM, 15 APR 1963.
BY RYDBECK O F H
DDC NUMBER 299981
INSTRUMENT AF 19<604>04563
PROJ/TASK 8605 01
PROJ/TASK 8605 02
PROJ/TASK 8653

AFCLR 63 292
COLUMBIA U NEW YORK N Y
CONCURRENT STORMS OF LONG AND ULTRALONG PERIOD MICROSEISMS
BULL SEISMOL SOC AM 53 1 15-26 JAN 1963
BY OLIVER J
PAGE R
DDC NUMBER 403906
INSTRUMENT AF 19<604>07376
PROJ/TASK 865286522

AFCLR 63 293
COLUMBIA U NEW YORK N Y
LONG PERIOD SEISMIC WAVES FROM LARGE, NEAR-SURFACE NUCLEAR
EXPLOSIONS.
BULL SEISMOL SOC AM 53 1 109-149 JAN 1963
BY POMEROY P W
DDC NUMBER 403904
INSTRUMENT AF 19<604>07376
PROJ/TASK 865286522

AFCLR 63 294
COLUMBIA U NEW YORK N Y
SEISMIC WAVES AND EARTH STRUCTURE IN THE CANADIAN SHIELD.
BULL SEISMOL SOC AM 53 1 167-210 JAN 1963
BY BRUNE J
DORMAN J
DDC NUMBER 407265
INSTRUMENT AF 19<604>07376
PROJ/TASK 865286522

AFCLR 63 295
MICHIGAN U ANN ARBOR
A NOTE ON THE EFFECT OF RIPPLE FIRING ON THE SPECTRA OF
QUARRY SHOTS, JAN 1963.
BULL SEISMOL SOC AM 53 1 79-85 JAN 1963
BY WILLIS D E
DDC NUMBER 405004
INSTRUMENT AF 19<604>06642
PROJ/TASK 763976396

AFCLR 63 296
MICHIGAN U ANN ARBOR
EFFECT OF DELAYS ON THE SPECTRA OF RIPPLE-FIRED SHOTS.
BY POLLACK H N
DDC NUMBER 408471
INSTRUMENT AF 19<604>06642
PROJ/TASK 763976396

AFCLR 63 297
GEOPHYSICS CORP OF AMERICA BEDFORD MASS
NOTE ON EQUATIONS FOR COMPUTING NUMBER DENSITY RATIOS FROM
TEMPERATURE PROFILES, FEB 1963.
BY PETERSON L R
MINZNER R A
HARRISON R H
DDC NUMBER 299463
INSTRUMENT AF 19<628>01633
PROJ/TASK 767376731

AFCLR 63 298
GEOPHYSICS CORP OF AMERICA BEDFORD MASS
A POLYNOMIAL FIT TO THE DEFINING POINTS FOR MEAN MOLECULAR
WEIGHT IN THE 1962 U.S. STANDARD ATMOSPHERE, FEB 1963.
BY PETERSON L R
MINZNER R A
DDC NUMBER 299462
INSTRUMENT AF 19<628>01633
PROJ/TASK 767376731

AFCLR 63 299
STANFORD RESEARCH INST MENLO PARK CALIF
CONSIDERATIONS OF CLIMATOLOGICAL APPLICATIONS OF
VERTICALLY POINTING WEATHER RADAR OBSERVATIONS, FEB 1963.
BY BLACKMER R H
LIGDA M G H
DDC NUMBER 404043
INSTRUMENT AF 19<604>07312
PROJ/TASK 862486242

AFCLR 63 300
TEXAS INSTRUMENTS INC DALLAS
A STUDY OF THE FEASIBILITY OF MULTIPLEXING TELETYPE DATA
INTO NONSPEECH TIME OF VOCODED SPEECH TRANSMISSION, 18 JUN 1963.
BY ZIEMER D R
DDC NUMBER 418177
INSTRUMENT AF 19<628>00345
PROJ/TASK 4610 02

AFCLR 63 301A
TEXAS INSTRUMENTS INC DALLAS
FULL-DUPLEX DIGITAL VOCODER, 10 JUN 1963.
BY YAGGI L A JR
INSTRUMENT AF 19<628>00302
PROJ/TASK 4610 02

AFCLR 63 301B
TEXAS INSTRUMENTS INC DALLAS
MANUAL FOR POLYMODAL VOCODER, AUG 1963.
INSTRUMENT AF 19<628>00302
PROJ/TASK 4610 02

AFCLR 63 302
GIANNINI SCIENTIFIC CORP SANTA ANA CALIF
THEORETICAL AND EXPERIMENTAL INVESTIGATION LEADING TO
DESIGN AND CONSTRUCTION OF A BROADBAND LINE SOURCE
ILLUMINATOR, JUN 1963.
BY LOVE A W
INSTRUMENT AF 19<604>08385
PROJ/TASK 4642 02

AFCLR 63 304
AMERICAN OPTICAL CO SOUTHRIDGE MASS
CHARACTERISTICS OF DIELECTRIC WAVEGUIDE MODES, JUL 1963.
BY LUNERBERG J
SNITZER F
INSTRUMENT AF 19<604>07207
PROJ/TASK 4600 03

APCRL 63 305
ALASKA U COLLEGE
MAGNETIC, TELLURIC CURRENT, AND VLF OBSERVATIONS DURING
THE FISH ROWL TPSTS OF 1967, JAN 1963.
BY MAYNER K R DDC NUMBER 417651
WESCOTT P W INSTRUMENT AF 19<604>06100
PROJ/TASK 0653

APCRL 63 306
MASSACHUSETTS INST OF TECH CAMBRIDGE
PERTURBATION OF VOWEL ARTICULATIONS BY CONSONANTAL CONTEXT
AN ACOUSTICAL STUDY.
J SPEECH HEARING 6 2 JUN 1963
BY STEVENS K N DDC NUMBER 417620
HOUSE A S INSTRUMENT AF 19<604>06102
PROJ/TASK 4610 02

APCRL 63 307
CMU ASSOC LITTLETON MASS
VOLUMETRIC FIXED APERTURE RADAR SCANNING ANTENNAS, 25 JUN
1963.
DDC NUMBER 418363
INSTRUMENT AF 19<604>04994
PROJ/TASK 4600 07

APCRL 63 308
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
THE TOPOGRAPHY AND GROWTH MECHANISM OF SILICON OVERGROWTHS
30 JUN 1963.
BY RVEZ A G DDC NUMBER 417627
EVANS R J INSTRUMENT AF 19<604>08040
PROJ/TASK 5632

APCRL 63 309
INTERNATIONAL TELEPHONE AND TELEGRAPH CORP NUTLEY N J
HALL AND RESISTIVITY MEASUREMENTS ON SEMICONDUCTING
DIAMONDS, JUL 1963.
BY SCHELMORN R L DDC NUMBER 417627
MORRIS H G INSTRUMENT AF 19<628>00725
PROJ/TASK 5621 04

APCRL 63 310
GENERAL ELECTRIC CO SANTA BARBARA CALIF
INVESTIGATION OF NUCLEAR DETONATIONS ON PROPAGATION OF
ELECTROMAGNETIC WAVES, JUN 1963.
BY MALINOWSKI L P DDC NUMBER 417627
KAMP W S INSTRUMENT AF 19<628>00207
ROGUSCH P L
MCKEE J W
ROYLE S R

APCRL 63 311
CASE INST OF TECH CLEVELAND OHIO
MATRIX DESCRIPTION OF WAVEGUIDE DISCONTINUITIES IN THE
PRESENCE OF EVANESCENT MODES, JUL 1963.
BY HASKAL H DDC NUMBER 414664
INSTRUMENT AF 19<628>01099
PROJ/TASK 5635 02

APCRL 63 312
L'AM DE PHYSIQUE PARIS FRANCE
EFFECTS OF PROTON IRRADIATION ON THE PROPERTIES OF SILICON
25 APR 1963.
BY LALLMAND P DDC NUMBER 413309
PISTER J C INSTRUMENT AF 61<052>00543
AUTHIER A PROJ/TASK 5620 02

APCRL 63 313
NORTHEASTERN U BOSTON MASS
MAXIMUM-LIKELIHOOD DETECTION IN A BINARY CHANNEL WITH
MEMORY, JUL 1963.
BY GONSALVES R A DDC NUMBER 417181
LOH W M INSTRUMENT AF 19<604>07494
PROJ/TASK 4610 03

APCRL 63 314
TYCO LABS INC WALTHAM MASS
THE TRAVELLING SOLVENT METHOD OF CRYSTAL GROWTH, JUL 1963.
BY WEINSTEIN M DDC NUMBER 415923
WRIGHT M A INSTRUMENT AF 19<604>08803
GRIFFITHS L R PROJ/TASK 4608 04
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APCRL 63 315
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
EXPLANATORY NOTES ON THE USE OF SINGULAR INTEGRAL
EQUATIONS IN THE SOLUTION OF WAVEGUIDE DISCONTINUITY
PROBLEMS, 26 JUN 1963.
BY LEVIN L DDC NUMBER 417181
INSTRUMENT AF 19<614>07499
PROJ/TASK 4600 04

APCRL 63 316
TEXAS INSTRUMENTS INC DALLAS
EFFICIENT UTILIZATION OF CHANNEL CAPACITY FOR SPEECH
COMMUNICATION, JUL 1963.
BY BRICKER R L DDC NUMBER 418174
AITKEN A R INSTRUMENT AF 19<628>00345
ZIEMER D R PROJ/TASK 4610 02

APCRL 63 317
NEW YORK U NEW YORK
SOME NETWORK PROPERTIES OF THE LARGE AREA PN JUNCTION,
JUL 1963.
BY HERSKOWITZ G J DDC NUMBER 412845
INSTRUMENT AF 19<628>00379
PROJ/TASK 5628 01

APCRL 63 318
BROWN U PROVIDENCE R I
ON THE SCATTERING OF ELECTROMAGNETIC WAVES BY A DIELECTRIC
CYLINDER, DEC 1962.
BY STREIFER W DDC NUMBER 418708
KODIS R D INSTRUMENT AF 19<628>02498
PROJ/TASK 5635 02

APCRL 63 319
PURDUE RESEARCH FOUNDATION LAFAYETTE IND
THE SCATTERING OF ELECTROMAGNETIC WAVES BY PERFECTLY
REFLECTING OBJECTS OF COMPLEX SHAPE, JAN 1963.
BY SCHULTZ F V DDC NUMBER 417620
ROLLF D M INSTRUMENT AF 19<604>04051
SCHINDLER J K PROJ/TASK 5635 02

APCRL 63 320
CALIFORNIA U BERKELEY
ANODE STRUCTURES FOR COLD-CATHODE HIGH-POWER MAGNETRON,
30 JUN 1962.
BY TREDA Y DDC NUMBER 417620
INSTRUMENT AF 19<628>00324
PROJ/TASK 5634 02

APCRL 63 321
SYLVANIA ELECTRIC PRODUCTS INC WALTHAM MASS
CYCLIC CODES - SUMMARY REPORT.
BY MATTSON H F JR DDC NUMBER 417620
INSTRUMENT AF 19<604>08516
PROJ/TASK 5628 01

APCRL 63 322
BRANDIS U WALTHAM MASS
THEORETICAL STUDIES OF IONIZED GASES.
BY GROSS F P DDC NUMBER 417620
INSTRUMENT AF 19<604>04543
PROJ/TASK 46146191

APCRL 63 323
GENERAL ELECTRIC CO SCHENECTADY N Y
SEMICONDUCTOR DEVICE CONCEPTS, 28 JUN 1963.
DDC NUMBER 416396
INSTRUMENT AF 19<628>00329
PROJ/TASK 4608 04

APCRL 63 324
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
MINI-MIZATION PROCEDURES IN PHONOLOGY, JUN 1963.
BY PETRIK S R DDC NUMBER 415328
INSTRUMENT AF 19<628>00518
PROJ/TASK 5632 05

APCRL 63 325
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
ON DETERMINATION OF THE OPTICAL ABSORPTION COEFFICIENT,
JUN 1963.
BY KAHAN A DDC NUMBER 415441
LIPSON H G PROJ/TASK 5621 04

APCRL 63 326
L'AM NATIONAL D-ESSAIS PARIS FRANCE
FAR INFRARED SPECTRA OF CRYSTALS AND SOLIDS IN A LARGE
RANGE OF TEMPERATURES, 31 MAY 1963.
BY LECOMTE J DDC NUMBER 414528
HADRI A INSTRUMENT AF 61<052>00518
PROJ/TASK 5634 03

APCRL 63 327
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
STUDY OF MAGNETOELASTIC INTERACTIONS BY PARALLEL PUMPING,
AUG 1963.
J APPL PHYS 34 4<2> APR 1963
BY OLSON F A DDC NUMBER 417381
PROJ/TASK 4600

APCRL 63 329
NEW YORK U NEW YORK
THE EFFECTS OF NETWORK SHAPING AND LOADING ON THE
TRANSIENT AND FREQUENCY RESPONSE OF DISTRIBUTED RC
NETWORKS, AUG 1963.
BY GHAUSI M S DDC NUMBER 417181
HERSKOWITZ G J INSTRUMENT AF 19<628>00379
PROJ/TASK 5628 01

APCRL 63 330
NEW YORK U NEW YORK
CUMULATIVE DECISION TECHNIQUES FOR ERROR-FREE
COMMUNICATION SYSTEMS, 15 JUL 1963.
BY METZNER J J DDC NUMBER 417230
MORGAN K C INSTRUMENT AF 19<604>06168
PROJ/TASK 4610 03

APCRL 63 331
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
INTEGRATED LOGIC NETS, 16 JUL 1963.
BY HOFSTEIN S R DDC NUMBER 419174
HEJMAN F D INSTRUMENT AF 19<604>08836
PROJ/TASK 4641 04

APCRL 63 332
ELECTRONIC COMMUNICATIONS INC TIMONIUM MD
WIDE BAND LUNAR RELAY COMMUNICATIONS, 16 MAY 1963.
BY WATERS W M DDC NUMBER 417230
WHEEL J O INSTRUMENT AF 19<628>00398
SHERMAN J W PROJ/TASK 4600 02

APCRL 63 333
MOTOROLA INC PHOENIX ARIZ
RESEARCH AND DEVELOPMENT FOR SURFACE PROTECTION FOR
SILICON DEVICES.
BY FLASCHMAN S S DDC NUMBER 412845
COOPER M W INSTRUMENT AF 19<604>08358
EVITTS M C PROJ/TASK 5621
HALL M A
LAMPF J

APCRL 63 334
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
DIFFRACTION RELATIONS IN TIME-SPACE PERIODIC MEDIA. PART 1.
STABLE INTERACTIONS, 11 FEB 1963.
BY CASSEY F S DDC NUMBER 417181
OLINDER A A INSTRUMENT AF 19<604>07499
PROJ/TASK 4600 04

AFRL 63 336
 HP ASSOC PALO ALTO CALIF
 INVESTIGATION OF HOT ELECTRON EMITTER, 1 MAR TO 31 MAY 1963.
 BY ATALLA M W DDC NUMBER 415755
 SOHFA R W INSTRUMENT AF 19C628>01637
 LUCAS R C PROJ/TASK 4608 04
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AFRL 63 337
 STANFORD RESEARCH INST MENLO PARK CALIF
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 BY DOLPHIN L T JR INSTRUMENT AF 19C628>00205
 WEFICO C G JR

AFRL 63 338
 ROYAL INST OF TECH STOCKHOLM SWEDEN
 QUARTERLY PROGRESS AND STATUS REPORT, 15 APR 1963.
 INSTRUMENT AF-EQAR -0055-62
 PROJ/TASK 4610 02

AFRL 63 339
 CORNELL AERONAUTICAL LAB INC BUFFALO N Y
 ANALYTICAL AND EXPERIMENTAL STUDY OF THE IONIZED FLOW
 FIELD ABOUT A HEMISPHERE CYLINDER AND ITS EFFECT ON THE
 RADIATION PATTERN OF A SLOT ANTENNA, AUG 1963.
 BY CURTIS J T INSTRUMENT AF 19C604>08494
 BURFF A F PROJ/TASK 4662 02
 HAYMAN R A

AFRL 63 340
 NEW YORK U NEW YORK
 ON THE EXACT SOLUTIONS OF THE NONUNIFORM DISTRIBUTED
 LINES, AUG 1963.
 BY MAISEL R DDC NUMBER 417177
 INSTRUMENT AF 19C628>00379
 PROJ/TASK 5628 01

AFRL 63 343
 BROWN U PROVIDENCE R I
 A MICROWAVE INVESTIGATION OF SELF-QUENCHING CYLINDRICAL
 DISCHARGES AT LOW PRESSURES, JUN 1963.
 BY CARON P R INSTRUMENT AF 19C628>02498
 RODIS R D PROJ/TASK 5635 02

AFRL 63 344
 BROWN U PROVIDENCE R I
 DIFFRACTION BY COMPOSITE CYLINDERS, JUN 1963.
 BY AKCOGLU M A INSTRUMENT AF 19C628>02498
 RODIS R D PROJ/TASK 5635 02

AFRL 63 345
 SOUTHERN CALIFORNIA U LOS ANGELES CALIF
 DYADIC GREEN'S FUNCTION FOR A RADIALLY INHOMOGENEOUS
 SPHERICAL MEDIUM, MAY 1963.
 BY YEH C W H INSTRUMENT AF 19C604>08195
 PROJ/TASK 4642 02

AFRL 63 346
 SOUTHERN CALIFORNIA U LOS ANGELES CALIF
 THE DIFFRACTION OF SCALAR WAVES BY PENETRABLE DISCS, JUN
 1963.
 BY YEH C W H INSTRUMENT AF 19C604>08195
 PROJ/TASK 4642 02

AFRL 63 348
 NEW YORK U NEW YORK
 DIFFRACTION AT HIGH FREQUENCIES BY A CIRCULAR DISC, JUL
 1963.
 BY JONES D S INSTRUMENT AF 19C604>05238
 PROJ/TASK 5635 02

AFRL 63 349
 MOTOROLA INC PHOENIX ARIZ
 DIGITAL CONTROL SYSTEM, 14 DEC 1962.
 BY JACKSON D M JR INSTRUMENT AF 19C604>08351
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AFRL 63 350
 MOTOROLA INC PHOENIX ARIZ
 DIGITAL CONTROL SYSTEM, 14 JUN 1963.
 BY JACKSON D M JR INSTRUMENT AF 19C604>08351
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AFRL 63 351
 WASHINGTON U SEATTLE
 A CLASS OF PERIODIC STRUCTURES EXCITED BY APERIODIC
 SOURCES, JUN 1963.
 BY SIGELMAN R A INSTRUMENT AF 19C628>02763
 ISHIMARU A PROJ/TASK 5635 02

AFRL 63 352
 ROYAL INST OF TECH STOCKHOLM SWEDEN
 QUARTERLY PROGRESS AND STATUS REPORT, 15 JUL 1962.
 INSTRUMENT AF-EQAR -0055-63
 PROJ/TASK 4610 02

AFRL 63 353
 MITTELBOH W INNERBRUCK AUSTRIA
 MODELING STUDIES, 1 JUL 1963.
 BY NESSLER N DDC NUMBER 418336
 INSTRUMENT AF 61C052>00490
 PROJ/TASK 4610 01

AFRL 63 354
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 A STUDY OF SOLID-SOLID PHASE EQUILIBRIUM BOUNDARIES AT
 HIGH PRESSURES AND TEMPERATURES, 30 AUG 1963.
 BY REIL P W DDC NUMBER 418024
 INSTRUMENT AF 19C604>08131
 PROJ/TASK 5621 01

AFRL 63 355
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
 THEORETICAL AND EXPERIMENTAL INVESTIGATION OF
 BACKSCATTERING FROM A CAVITY-LOADED MONOPOLE, AUG 1963.
 BY GIBBS W W PROJ/TASK 5635 01
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AFRL 63 356
 COMPAGNIE GENERALE DE TELEGRAPHIE SANS FIL PARIS FRANCE
 SPACE DIVERSITY RECEPTION IN TROPOSPHERIC SCATTER FIELD
 MEASUREMENTS, 15 JUN 1963.
 BY RIGGI V INSTRUMENT AF 61C052>00442
 PROJ/TASK 460146033

AFRL 63 357
 COMPAGNIE GENERALE DE TELEGRAPHIE SANS FIL PARIS FRANCE
 COUPLED MODE PROPAGATION RADIATION STRUCTURES, 1 MAY TO 31
 DEC 1962.
 BY SPITZ F INSTRUMENT AF 61C052>00625
 FRAVFIN-BEQUENHARD J PROJ/TASK 5635 01

AFRL 63 358
 SILENIA S P A ROME ITALY
 MICROWAVE DETERMINATIONS OF AFTERGLOW TEMPERATURES AND
 ELECTRON COLLISION PARAMETERS IN NITROGEN AND OXYGEN, 31
 MAY 1963.
 BY CILARDINI A DDC NUMBER 418360
 INSTRUMENT AF 61C052>00039
 PROJ/TASK 56356330

AFRL 63 359
 DENMARK TECHNICAL U COPENHAGEN
 FRESNEL ZONES FOR GROUND-BASED ANTENNAS, APR 1963.
 BY ANDERSEN J R DDC NUMBER 418334
 INSTRUMENT AF 61C052>00503
 PROJ/TASK 5635 02

AFRL 63 360
 OXFORD U ENGLAND
 POINT CHARGE CALCULATIONS OF ENERGY LEVELS OF MAGNETIC
 IONS IN CRYSTALLINE ELECTRIC FIELDS, MAR 1963.
 BY HUTCHINGS M T DDC NUMBER 418501
 INSTRUMENT AF 61C052>00125
 PROJ/TASK 5621 04

AFRL 63 361
 OXFORD U ENGLAND
 INVESTIGATIONS INTO THE ORIGIN OF CRYSTALLINE ELECTRIC
 FIELD EFFECTS ON RARE EARTH IONS. II. CONTRIBUTIONS FROM
 THE RARE EARTH ORBITALS, 31 MAR 1963.
 BY RAY D K DDC NUMBER 418502
 INSTRUMENT AF 61C052>00125
 PROJ/TASK 5621 04

AFRL 63 362
 LAB OF PHYSIQUE PARIS FRANCE
 RESEARCH ON RADIATION FIELDS ASSOCIATED WITH WHISTLERS,
 30 SEP 1962.
 BY DELLOUE J DDC NUMBER 418350
 GARNIER M INSTRUMENT AF 61C052>00427
 ALLSTADIN D PROJ/TASK 563156311

AFRL 63 363
 INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y
 LOW TEMPERATURE VAPOR GROWTH STUDIES, 1 JUL 1963.
 BY REISMAN A INSTRUMENT AF 19C628>02468
 PROJ/TASK 4608 04

AFRL 63 364
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
 NONLINEAR OSCILLATIONS AND ELECTROENCEPHALOGRAPHY,
 BY DEWAN F M PROJ/TASK 5635 01

AFRL 63 365
 WOLF RESEARCH AND DEVELOPMENT CORP WEST CONCORD MASS
 AN ON-LINE SUB-PROGRAM FOR THE DETERMINATION OF EIGEN-
 VALUES AND EIGEN-VECTORS WITH GRAPHIC CONVERGENCE
 MONITORING FEATURES, 26 JUL 1963.
 BY WALTER C M DDC NUMBER 418366
 GAGAN R INSTRUMENT AF 19C628>01614
 SPITZER J PROJ/TASK 4648 05
 WISOWATY M

AFRL 63 366
 HARVARD U CAMBRIDGE MASS
 INFORMATION STORAGE AND RETRIEVAL, JUN 1963.
 BY SALTON G INSTRUMENT AF 19C604>08309
 PROJ/TASK 5632
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AFRL 63 370
 GEO-SCIENCE INC CAMBRIDGE MASS
 RESISTIVITY INVESTIGATION ON CAPE COD, SEP 1963.
 BY CANTWELL T INSTRUMENT AF 19C628>02351
 NELSON P PROJ/TASK 4600 08

AFRL 63 372
 GENERAL TELEPHONE AND ELECTRONICS LABS INC RAYSIDE N Y
 STUDY OF ADSORPTION OF GASES ON SOLIDS IN THE HIGH VACUUM
 RANGE, 31 AUG 1963.
 BY RILVEN C M INSTRUMENT AF 19C628>00311
 FIORIO J V PROJ/TASK 5634 05

AFRL 63 373
 RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
 PRINCETON N J
 EVAPORATED THIN-FILM DEVICES, 10 SEP 1963.
 BY BORDAN M INSTRUMENT AF 19C628>01617
 SHALICROSS F V PROJ/TASK 4608 04
 WARMAN A
 WEINER D

APCRL 63 376
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSCOM FIELD MASS
TABULATION OF THE PROBABILITY OF DETECTION AND CORRECT
DECISION AMONG 4 ALTERNATIVES FOR PHASE-INCOHERENT
RECEPTION, SEP 1963.
BY SHMIDMAN D
PROJ/TASK 9628

APCRL 63 377
BROWN U PROVIDENCE R I
PLASMA ELECTRON TEMPERATURE IN A STRONG INHOMOGENEOUS
ELECTRIC FIELD, JUN 1963.
BY CRONSON H W
WITZEL L
INSTRUMENT AF 19(628)02498
PROJ/TASK 9635 02

APCRL 63 378
HYLITRONICS CORP BURLINGTON MASS
MICROWAVE STUDIES OF SEMICONDUCTING DIAMONDS, JUN 1963.
BY SIRVEY F M
INSTRUMENT AF 19(628)00454
PROJ/TASK 9621 04

APCRL 63 379
SYLVANIA ELECTRIC PRODUCTS INC MOUNTAIN VIEW CALIF
DESIGN AND DEVELOPMENT OF A PHOTOMIXING DEVICE, 9 AUG 1963
BY CADDES D F
INSTRUMENT AF 19(628)01671
PROJ/TASK 4645 02

APCRL 63 382
BITTERLICH W INNSBRUCK AUSTRIA
ATTENUATION IN SURFACE SIGNAL TRANSMISSION, 15 JUL 1963
BY SCOTTI M
STEINACKER I
INSTRUMENT AF 61(052)00490
PROJ/TASK 4610 01

APCRL 63 383
BITTERLICH W INNSBRUCK AUSTRIA
DETERMINATION OF ROCK CONDUCTIVITY FROM VLF PROPAGATION
MEASUREMENTS, 15 JUL 1963.
BY HONNDEL R
INSTRUMENT AF 61(052)00490
PROJ/TASK 4610 01

APCRL 63 384
BITTERLICH W INNSBRUCK AUSTRIA
HORIZONTAL MAGNETIC DIPOLE AT THE DEPTH h UNDER THE
EARTH'S SURFACE. CALCULATION OF THE RADIATION FIELD BY THE
INTEGRAL METHOD, 10 AUG 1963.
BY TINKOFF R G
INSTRUMENT AF 61(052)00490
PROJ/TASK 4610 01

APCRL 63 385
GFA-SCIENCE INC CAMBRIDGE MASS
DEEP RESISTIVITY INVESTIGATION IN NORTHERN NEW YORK STATE,
SEP 1963.
BY CANTWELL T
NELSON P
INSTRUMENT AF 19(628)02351
PROJ/TASK 4600 08

APCRL 63 386
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
SOLID STATE SCIENCES LAB L G HANSCOM FIELD MASS
THE OMEGATRON VERSUS A SECTION-TYPE MASS SPECTROMETER FOR
RESIDUAL GAS STUDIES, OCT 1963.
BY BLOOM J M
LUDINGTON C F
PHIPPS R L
PROJ/TASK 9634 05

APCRL 63 387
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
CALCULATION OF THE ECHO AREA OF AN N-LAYER PLASMA CYLINDER
AND SPHERE, MAY 1963.
BY KAWANO T
PETERS L JR
INSTRUMENT AF 19(604)07270
PROJ/TASK 5633 06

APCRL 63 389
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER
PRINCETON N J
INVESTIGATION OF CARRIER INJECTION ELECTROLUMINESCENCE,
15 AUG 1963.
BY FISCHER A G
FONGER W M
MOSS H I
PETERSON R L
DONAHUE D
INSTRUMENT AF 19(604)08018
PROJ/TASK 4608 04

APCRL 63 400
STANFORD RESEARCH INST MENLO PARK CALIF
CLOUD RESEARCH DATA, FEB 1963.
BY SFRABRENY S M
BLACKNER R W JR
DDC NUMBER 40407
INSTRUMENT AF 19(604)07312
PROJ/TASK 862486242

APCRL 63 401
DURHAM U ENGLAND
VARIATIONS OF THE SEA LEVEL MOON FLUX, 20 JAN 1963.
BY ASHTON F
PATTISON J R M
WOLFFENDALE A W
DDC NUMBER 401765
INSTRUMENT AF 61(052)00027
PROJ/TASK 860086002

APCRL 63 402
STANFORD RESEARCH INST MENLO PARK CALIF
RADAR PRECIPITATION ECHO AND SATELLITE CLOUD OBSERVATIONS
OF A MARITIME CYCLONE.
BY NAGLE R F
SFRABRENY S M
INSTRUMENT AF 19(604)05982
PROJ/TASK 869866982

APCRL 63 403
OSLO U NORWAY
RESEARCH IN THE FIELD OF SOLAR RADIO NOISE AND SUNSPOTS,
31 JAN 1963.
BY ROSSEFLAND S
DDC NUMBER 400240
INSTRUMENT AF 61(052)00186
PROJ/TASK 7644 04

APCRL 63 404
FRANKFURT U WEST GERMANY
THE CONCENTRATION OF CHEMICAL TRACES IN GLACIER-ICE, PART
I. FURTHER INVESTIGATIONS ON TROPOSPHERIC WASHOUT, PART
II, DEC 1962.
BY GEORGII H-W
WFRER G
DDC NUMBER 400249
INSTRUMENT AF 61(052) 00249
PROJ/TASK 7630 03

APCRL 63 405
MANCHESTER U ENGLAND
THE DEVELOPMENT AND DESIGN OF A POLARIMETER FOR LUNAR
STUDIES, NOV 1962.
BY CLARKE D
DDC NUMBER 400568
INSTRUMENT AF 61(052)00378
PROJ/TASK 8602 01

APCRL 63 406
MANCHESTER U ENGLAND
RESEARCH INTO METHODS OF DETERMINING THE RELATIVE HEIGHTS
OF PHYSIOGRAPHIC FEATURES OF THE MOON, NOV 1962.
BY KOPAL Z
DDC NUMBER 402495
INSTRUMENT AF 61(052)00524
PROJ/TASK 7600 06
PROJ/TASK 8654 01

APCRL 63 407
GENERAL MILLS INC ST PAUL MINN
A STUDY OF HIGH ALTITUDE WATER VAPOR DETECTORS, 31 MAR
1963.
BY BOHRAUGH S
DDC NUMBER 400360
INSTRUMENT AF 19(628)00483
PROJ/TASK 86826820

APCRL 63 408
SASKATCHEWAN U SASKATOON CANADA
LITHIUM TWILIGHT AT SASKATOON 1960-61.
DDC NUMBER 414110
INSTRUMENT AF 19(604)07265
PROJ/TASK 766176612

APCRL 63 409
SASKATCHEWAN U SASKATOON CANADA
RAPID MEASUREMENT OF N_2^+ ROTATIONAL TEMPERATURES IN AURORA
1962.
BY HJATEN D M
RAWSON F G
WALKER J R
DDC NUMBER 413079
INSTRUMENT AF 19(604)07265
PROJ/TASK 766176612

APCRL 63 410
SASKATCHEWAN U SASKATOON CANADA
HIGH ABUNDANCE OF TWILIGHT LITHIUM NOVEMBER 1962, FEB 1963
BY GAULT W A
HJATEN D M
INSTRUMENT AF 19(604)07265
PROJ/TASK 766176612

APCRL 63 411
HARVARD U CAMBRIDGE MASS
THE HALF LIFE OF THE METASTABLE LEVEL $4^3\Sigma$ OF THE NITROGEN
MOLECULE.
ADVAN MOL SPECTRY
BY BILLS D G
CARLETON N P
OLDENBERG O
INSTRUMENT AF 19(604)04984
PROJ/TASK 767376733

APCRL 63 412
HARVARD U CAMBRIDGE MASS
THE RELATION OF THE RECENT ATMOSPHERIC DUST MEASUREMENTS
OF VOLZ AND GOODY TO THE PROBLEM OF METEORIC INFLUX.
J ATMOSPHERIC SCI 19 5 424-426 SEP 1962
BY CARLETON N P
INSTRUMENT AF 19(628)00318
PROJ/TASK 766176614

APCRL 63 413
STANFORD RESEARCH INST MENLO PARK CALIF
A METEOROLOGICAL STUDY OF CLOUDS AS RELATED TO
SATELLITE INFRARED HORIZON SENSORS, FEB 1963.
BY ALDER J F
DDC NUMBER 407974
INSTRUMENT AF 19(628)01681
PROJ/TASK 8624 01

APCRL 63 414
COLUMBIA U NEW YORK N Y
BASIC STUDY OF THE OSCILLATION OF A HOMOGENEOUS ELASTIC
SPHERE (IV), NOV 1962.
BY SATO Y
USAMI T
FURING M
DDC NUMBER 407133
INSTRUMENT AF 19(604)07376
PROJ/TASK 865286522

APCRL 63 415
WASHINGTON U SEATTLE
THE INVESTIGATION OF SOME TECHNIQUES FOR MEASUREMENT OF
HUMIDITY AT HIGH ALTITUDES, MAR 1963.
BY CHARLSON R J
RUFFNER K J K
DDC NUMBER 404874
INSTRUMENT AF 19(628)00403
PROJ/TASK 8620 02

APCRL 63 416
COLORADO U BOULDER
RADIO ASTRONOMICAL AND SATELLITE STUDIES OF THE ATMOSPHERE
1963.
BY WARWICK J W
DDC NUMBER 413366
INSTRUMENT AF 19(628)00224
PROJ/TASK 5623 02

APCRL 63 417
COLORADO U BOULDER
DYNAMIC SPECTRA OF JUPITER'S DECAMETRIC EMISSIONS, 1961.
ASTROPHYS J 137 1 JAN 1963
BY WARWICK J W
DDC NUMBER 415314
INSTRUMENT AF 19(628)00224
PROJ/TASK 5623 02

AFCL 63 418
TEXAS A AND M RESEARCH FOUNDATION COLLEGE STATION
FORECASTING ATMOSPHERIC BOUNDARY LAYER PARAMETERS CEDAR
HILLS, FEB 1963.
BY CLAYTON W H
DDC NUMBER 403649
INSTRUMENT AF 19<604>06200
PROJ/TASK 7655 01

AFCL 63 419
BRANDEIS U WALTHAM MASS
THE EFFECT OF THE SURFACE LAYER OF A STAR UPON BLACK BODY
RADIATION EMERGING FROM THE INTERIOR, 1 MAR 1963.
BY TIROFF M
INSTRUMENT AF 19<604>07283
PROJ/TASK 8608 05

AFCL 63 420
COLORADO U BOULDER
CORONAL IONIZATION BY TWO-STEP COLLISION PROCESSES.
ASTROPHYS J 137 1 JAN 1963
BY ATHAY R G
HYDEN C L
DDC NUMBER 413365
INSTRUMENT AF 19<604>02140
PROJ/TASK 764976494

AFCL 63 421
COLORADO U BOULDER
IONIZATION AND EXCITATION EQUILIBRIUM OF CA II IN THE
SOLAR ATMOSPHERE.
ASTROPHYS J 136 1 JUL 1962
BY ATHAY R G
ZIRKER J R
DDC NUMBER 413367
INSTRUMENT AF 19<604>02140
PROJ/TASK 764976494

AFCL 63 422
COLORADO U BOULDER
LIQUID INSTABILITY AND ENERGY TRANSFORMATION NEAR A
MAGNETIC NEUTRAL LINE, A SOLUBLE NONLINEAR HYDROMAGNETIC
PROBLEM.
PROC ROY SOC LONDON 271 435-448 1963
BY CHAPMAN S
KENDALL P C
DDC NUMBER 415312
INSTRUMENT AF 19<604>02140
PROJ/TASK 764976494

AFCL 63 423
COLORADO U BOULDER
IONIZATION ABOVE THE F2-PEAK AS AFFECTED BY THE
INTERPLANETARY GAS.
GEOFIS PURA ADPL 51 147-154 1962
BY CHAPMAN S
INSTRUMENT AF 19<604>02140
PROJ/TASK 764976494

AFCL 63 424
COLORADO U BOULDER
ALEXANDER VON HUMBOLDT AND GEOMAGNETIC SCIENCE.
ARCH HIST EXACT SCI 2 1 41-51 1962
BY CHAPMAN S
DDC NUMBER 415313
INSTRUMENT AF 19<604>02140
PROJ/TASK 764976494

AFCL 63 425
COLORADO U BOULDER
LARGE-SCALE AURORAL MOTIONS AND POLAR MAGNETIC
DISTURBANCES III - THE AURORA AND MAGNETIC STORM OF 11
FEBRUARY 1958.
J ATMOSPHERIC TERREST PHYS 24 785-796 1962
BY AKASOFU S I
CHAPMAN S
DDC NUMBER 415311
INSTRUMENT AF 19<604>02140
PROJ/TASK 764976494

AFCL 63 426
RETINA FOUNDATION BOSTON MASS
STUDIES OF CERTAIN BIOLOGICALLY IMPORTANT POLYANION-
ORGANIC CATION COMPLEXES AS ENERGY TRANSFER SYSTEMS, 31
OCT 1962.
BY BALAZS F A
SCHEUFFELE D S
DDC NUMBER 403805
INSTRUMENT AF 19<604>08476
PROJ/TASK 4769

AFCL 63 427
COLORADO U BOULDER
WIND AND PRESSURE OSCILLATIONS IN THE UPPER ATMOSPHERE.
ARCH METEOROL GEOPHYS BIOKLIMATOL
BY HAURWITZ R
DDC NUMBER 415309

AFCL 63 428
COLORADO U BOULDER
OZONE AND SUNSPOTS.
J GEOPHYS RES 68 3 FEB 1963
BY LONDON J
HAURWITZ M W
DDC NUMBER 415310
INSTRUMENT AF 19<604>05488
PROJ/TASK 860486044

AFCL 63 429
FLORIDA STATE U TALLAHASSEE
THE KINETIC-ENERGY BUDGET OF THE STRATOSPHERE OVER NORTH
AMERICA DURING THE WARMING OF 1957, 15 APR 1963.
BY LATEOF M A
DDC NUMBER 403471
INSTRUMENT AF 19<628>00394
PROJ/TASK 8604 05

AFCL 63 430
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
THEORY OF PRESSURE-INDUCED SHIFTS OF INFRARED LINES, FEB
1963.
BY REUVEN A R
FRIEDMANN H
JAFFE J H
DDC NUMBER 400319
INSTRUMENT AF 61<052>00388
PROJ/TASK 860386033

AFCL 63 431
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
CRUSTAL REFLECTION OF PLANE P AND SV WAVES, MAR 1963.
BY HASKELL N A
DDC NUMBER 413139
PROJ/TASK 7639

AFCL 63 433
TEXAS INSTRUMENTS INC DALLAS
DIGITAL SEISMOGRAPH SYSTEM.
BY WILLIAMS R M
INSTRUMENT AF 19<628>00472
PROJ/TASK 8652 05

AFCL 63 434
CORNFELL U ITHACA N Y
CHARACTERISTICS OF TRACKABLE RADAR ANGELS, 16 JAN 1963.
BY ROELOFS T R
DDC NUMBER 408361
INSTRUMENT AF 19<604>06160
PROJ/TASK 862286222

AFCL 63 435
MASSACHUSETTS INST OF TECH CAMBRIDGE
STUDIES OF THE STRATOSPHERIC GENERAL CIRCULATION, 30 NOV
1962.
BY STARR V P
DDC NUMBER 405885
INSTRUMENT AF 19<604>05223
PROJ/TASK 8628 07

AFCL 63 436
BOSTON COLL CHESTNUT HILL MASS
RESEARCH DIRECTED TOWARD THE STUDY OF RAPID FLUCTUATIONS
OF THE GEOMAGNETIC FIELD, 31 OCT 1962.
BY LINEHAM D
DDC NUMBER 404021
INSTRUMENT AF 19<628>00211
PROJ/TASK 8601 03

AFCL 63 437
MCGILL U MONTREAL P Q CANADA
CALIBRATION OF A FLYABLE MASS SPECTROMETER FOR N AND O
ATOMS, MAR 1963.
BY NARCISSE R S
SCHIFF H I
MORGAN J F
COHEN H A
DDC NUMBER 410104
INSTRUMENT AF 19<604>08807
PROJ/TASK 6687
PROJ/TASK 7673 02

AFCL 63 438
MINNESOTA U MINNEAPOLIS
PROPERTIES OF VACUUM AND GAS DIODES, MAR 1963.
BY OAKAM H J
JOHNSON C R
INSTRUMENT AF 19<604>08072
PROJ/TASK 6694 09

AFCL 63 439
BLOCK ASSOC INC CAMBRIDGE MASS
ATMOSPHERIC INFRARED OPTICS - FLUX MEASUREMENTS, 29 MAR
1963.
BY PERSEY M J
INSTRUMENT AF 19<628>00210
PROJ/TASK 490449048

AFCL 63 440
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
ELECTRON DENSITY PROFILES OF WAVEMOTIONS IN THE IONOSPHERE
CAUSED BY NUCLEAR DETONATIONS, APR 1963.
BY GASSMAN G J
PROJ/TASK 8653

AFCL 63 441
CHICAGO U ILL
BAND-HEAD WAVE LENGTH OF C₂, C₃, C₄, C₆, N₂, N₃, N₄, O₂, OH
AND THEIR IONS, OCT 1962.
ASTROPHYS J 7 68 165-290
BY WALLACE L
INSTRUMENT AF 19<604>03044
PROJ/TASK 8605 04
PROJ/TASK 7661 02

AFCL 63 442
CHICAGO U ILL
THEORY OF AURORAL BOMBARDMENT SUPPLEMENTARY REMARKS.
ASTROPHYS J 136 2 1962
BY CHAMBERLAIN J W
INSTRUMENT AF 19<604>03044
PROJ/TASK 7661 02
PROJ/TASK 8605 04

AFCL 63 443
MASSACHUSETTS U AMHERST
FOLIAN GEOMORPHOLOGY, WIND DIRECTION, AND CLIMATIC CHANGE
IN NORTH AFRICA, MAR 1963.
BY SMITH H T U
DDC NUMBER 405144
INSTRUMENT AF 19<628>00298
PROJ/TASK 7628 05

AFCL 63 444
MOLECULON RESEARCH CORP CAMBRIDGE MASS
RESEARCH ON BENZIMIDAZOLE DERIVATIVES, 31 MAR 1963.
BY OBERMAYER A S
NICHOLS L D
NORCROSS R E
BRED C F
PANAR M
DDC NUMBER 406224
INSTRUMENT AF 19<628>00418
PROJ/TASK 669266922

AFCL 63 445
WOLF RESEARCH AND DEVELOPMENT CORP WEST CONCORD MASS
OPTICAL GENERATOR PROGRAM, FEB 1963.
BY MONRONEY R M
KAHLER H R
NIXON W T
DDC NUMBER 404059
INSTRUMENT AF 19<604>08065
PROJ/TASK 7600 03

AFCL 63 446
PENNSYLVANIA STATE U UNIVERSITY PARK
DYNAMIC NONLINEAR ELECTROMAGNETIC WAVE PROPAGATION AND
HARMONIC IN MAGNETO IONIC MEDIA, 1 JUN 1963.
BY RYDBECK O F H
DDC NUMBER 403136
INSTRUMENT AF 19<604>04563
PROJ/TASK 8605 02

AFCL 63 447
PENNSYLVANIA STATE U UNIVERSITY PARK
ROCKET INSTRUMENTATION FOR THE MEASUREMENT OF AC
CONDUCTIVITY, WITH A CAPACITIVE PROBE, AND LONG WAVE
PROPAGATION IN THE LOWER IONOSPHERE.
BY SFLIGA T A DDC NUMBER 403642
VOGT R W INSTRUMENT AF 19<604>08012
PROJ/TASK 8605 01

AFCL 63 448
OHIO STATE U COLUMBUS
A 1600 MC MAP OF THE N31 REGION, MAR 1963.
BY KRAUS J D DDC NUMBER 404581
INSTRUMENT AF 19<604>04079
PROJ/TASK 4643 02

AFCL 63 449
MCGILL U MONTREAL P Q CANADA
FIVE-DIMENSIONAL WEATHER RADAR - GREY SCALE AND CAPPI
IN OPERATION, 1959-1962, APR 1963.
BY MARSHALL J S DDC NUMBER 408970
INSTRUMENT AF 19<604>06617
PROJ/TASK 6672 01

AFCL 63 450
GENERAL ELECTRIC CO SCHENECTADY N Y
PERFORMANCE CHARACTERISTICS AND EMISSION COOLING
MEASUREMENTS TAKEN ON A CS VAPOR THERMIONIC CONVERTER WITH
A THORIUM-TUNGSTEN EMITTER, MAR 1963.
BY HOUSTON J M DDC NUMBER 406131
INSTRUMENT AF 19<604>08424
PROJ/TASK 8659 02

AFCL 63 451
GENERAL ELECTRIC CO SCHENECTADY N Y
THERMIONIC EMISSION FROM METAL CRYSTALS IN ALKALI METAL
VAPORS, MAR 1963.
BY WEBSTER H F DDC NUMBER 406131
READ P L INSTRUMENT AF 19<604>08424
PROJ/TASK 8659 02

AFCL 63 452
GENERAL ELECTRIC CO SCHENECTADY N Y
SINGLE CRYSTAL THERMIONIC CONVERTER STUDIES, MAR 1963.
BY WEBSTER H F DDC NUMBER 407826
INSTRUMENT AF 19<604>08424
PROJ/TASK 8659 02

AFCL 63 453
GENERAL ELECTRIC CO SCHENECTADY N Y
OPTIMUM DESIGN OF CYLINDRICAL ELECTRON BOMBARDMENT HEATERS
MAR 1963.
BY HOUSTON J M DDC NUMBER 407878
HOWLETT T A INSTRUMENT AF 19<604>08424
WEBSTER H F PROJ/TASK 8659 02

AFCL 63 454
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
MEASUREMENTS OF THE OPTICAL CONSTANTS OF MAGNESIUM OXIDE
AND CALCIUM TUNGSTATE IN THE SPECTRAL REGION BETWEEN 10
CM⁻¹ AND 100 CM⁻¹ AT 300° K AND 90° K, FEB 1963.
BY ROUNTREE R F DDC NUMBER 403425
INSTRUMENT AF 19<604>04119
PROJ/TASK 860386033

AFCL 63 455
HARVARD U CAMBRIDGE MASS
AN EXPERIMENTAL INVESTIGATION ON THE BEHAVIOR OF THE
DIPOLE ANTENNA NEAR THE INTERFACE BETWEEN THE CONDUCTING
MEDIUM AND FREE SPACE, 18 JAN 1963.
BY LISZKA L DDC NUMBER 412972
INSTRUMENT AF 19<604>07262
PROJ/TASK 766176615

AFCL 63 456
ROYAL INST OF TECH STOCKHOLM SWEDEN
RESEARCH ON CHARACTERISTICS OF TRANSITION ELEMENTS IN
SOLUTION. 1. STUDIES ON RHODIUM CHEMISTRY WITH A NOTE ON
PALLADIUM. 2. STUDIES ON RUTHENIUM CHEMISTRY, FEB 1963.
BY RRECKI-RIFDERMANN C DDC NUMBER 404521
RRIITO F INSTRUMENT AF 61<052>00417
LEWIS D C PROJ/TASK 669466941

AFCL 63 457
LIEGF U BELGIUM
PROCEEDINGS OF THE ELEVENTH INTERNATIONAL ASTROPHYSICAL
SYMPOSIUM - PHYSICS OF PLANETS, LIEGE, BELGIUM, 9-12
JUL 1962.
DDC NUMBER 405842
INSTRUMENT AF 61<052>00586
PROJ/TASK 766176614

AFCL 63 458
HARVARD U CAMBRIDGE MASS
CLASSIFICATION OF SOLAR PROMINENCES FOR SUNSPOT CYCLE NO.
19, 1958, APR 1963.
BY MENZEL D H DDC NUMBER 409688
JONES F S INSTRUMENT AF 19<604>04962
PROJ/TASK 764976490

AFCL 63 459
MANCHESTER U ENGLAND
LUNAR INFRARED MEASUREMENTS, OCT 1962.
BY STERNBERG R DDC NUMBER 402816
INSTRUMENT AF 61<052>00400
PROJ/TASK 860286020

AFCL 63 460
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
A STUDY OF IONOSPHERIC IRREGULARITIES USING SATELLITE
TRANSMISSION AT 54 MC/S, 29 DEC 1962.
BY LISZKA L DDC NUMBER 403613
INSTRUMENT AF 61<052>00601
PROJ/TASK 4643

AFCL 63 461
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
SATELLITE SCINTILLATION OBSERVED IN THE AURORAL ZONE, 29
DEC 1962.
BY LISZKA L DDC NUMBER 403614
INSTRUMENT AF 61<052>00601
PROJ/TASK 4643

AFCL 63 462
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
NORTHERN LATITUDE PROPAGATION, 23 MAR 1963.
BY LISZKA L DDC NUMBER 402303
INSTRUMENT AF 61<052>00601
PROJ/TASK 4643

AFCL 63 463
GEOPHYSICAL SYSTEMS INC NEWTON MASS
AN/GMD-2 WIND ERRORS FROM SALTON SEA TEST SERIES, APR 1963
BY KELLY D P DDC NUMBER 405445
BEAURIEN D J INSTRUMENT AF 19<628>01686
PROJ/TASK 6682 01

AFCL 63 464
AF DAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
L G HANSCOM FIELD MASS
STUDIES IN RADIO ASTRONOMY AND SPACE PHYSICS, MAR 1963.
BY AARONS J DDC NUMBER 412803
PROJ/TASK 4643
PROJ/TASK 5629

AFCL 63 465
AF DAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
ELECTRON DENSITY IN AN ATLAS MISSILE TRAIL (U), APR 1963,
SECRET.
BY ULWICK J C DDC NUMBER 339264
PIFFSTER W

AFCL 63 466
GEORGIA INST OF TECH ATLANTA
ALUMINA DISPERSAL AT 150 KM ALTITUDE - AN ANALYSIS OF THE
PHOTOGRAPHIC RECORD, FEB 1963.
BY YOUNG L C DDC NUMBER 405025
INSTRUMENT AF 19<604>05467
PROJ/TASK 4984 01

AFCL 63 467
COLOGNE U WEST GERMANY
RESEARCH ON THE SYNOPTICAL MEASUREMENTS OF THE VERTICAL
OZONE DISTRIBUTION, 1 JAN 1963.
BY POETZOLD H K DDC NUMBER 403398
INSTRUMENT AF 61<052>00330
PROJ/TASK 863186311

AFCL 63 468
HARVARD U CAMBRIDGE MASS
CATALOG OF TYPE II <SLOW-DRIFT> AND TYPE IV <CONTINUUM>
SOLAR RADIO BURSTS, MAY 1963.
BY MAXWELL A DDC NUMBER 413308
HUGHES M P INSTRUMENT AF 19<628>02370
THOMPSON A R PROJ/TASK 7649 04

AFCL 63 469
CALIFORNIA U BERKELEY
MICROBIOLOGICAL WASTE CONVERSION IN CONTROL OF ISOLATED
ENVIRONMENTS, 28 FEB 1963.
BY GOLUEKE C G DDC NUMBER 413276
BREWER J W INSTRUMENT AF 19<604>06637
GEE H K PROJ/TASK 669466493
OSWALD W J

AFCL 63 470
HAWAII U HONOLULU
THE HAWAII SOLAR FLARE PATROL, 11 APR 1963.
BY STEIGER W R DDC NUMBER 412817
INSTRUMENT AF 19<604>02292
PROJ/TASK 764976494

AFCL 63 471
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
METEOR DATA BULLETIN NO. 8 JUN 1961
DDC NUMBER 418320
INSTRUMENT AF 61<052>00227
PROJ/TASK 5630

AFCL 63 472
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
METEOR DATA BULLETIN NO. 9 JUL 1961
DDC NUMBER 418317
INSTRUMENT AF 61<052>00227
PROJ/TASK 5630

AFCL 63 473
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
METEOR DATA BULLETIN NO. 10 SEP 1961
DDC NUMBER 418318
INSTRUMENT AF 61<052>00227
PROJ/TASK 5630

AFCL 63 474
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
METEOR DATA BULLETIN NO. 11 DEC 1961
DDC NUMBER 418319
INSTRUMENT AF 61<052>00227
PROJ/TASK 5630

AFCL 63 475
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
AUDIO AND SURAUDIO-FREQUENCY ELECTROMAGNETIC RADIATION
AT HIGH LATITUDE, 25 MAR 1963.
BY EGGLAND A DDC NUMBER 404656
OLSEN S INSTRUMENT AF 61<052>00600
GUSTAFSSON G PROJ/TASK 5631 05

AFCL 63 476
FLORIDA STATE U TALLAHASSEE
A NOTE ON THE TRANSMISSIVITY OF AN ELSASSER BAND, 15 MAY
1963
BY CRAIG R A DDC NUMBER 408317
INSTRUMENT AF 19<628>00394
PROJ/TASK 8604 05

AFCL 63 477
NEW HAMPSHIRE U DURHAM
ASYMETRIES IN THE FORBUSH DECREASES OF THE COSMIC
RADIATION. PART I. DIFFERENCES IN ONSET TIME. PART II.
SUPERIMPOSED INTENSITY VARIATIONS DURING A FORBUSH
DECREASE.
J GEOPHYS RES 68 6 MAR 1963
BY LOCKWOOD J A DDC NUMBER 405289
INSTRUMENT AF 19<628>02352
PROJ/TASK 860086003
RA7DAN H

AFCL 63 478
NEW HAMPSHIRE U DURHAM
INTENSITY-TIME VARIATIONS OF THE COSMIC RADIATION.
AM J PHYS 30 1 10-15 JAN 1962
BY LOCKWOOD J A DDC NUMBER 404924
INSTRUMENT AF 19<604>04552
PROJ/TASK 860086003

AFCL 63 479
GENERAL GEOPHYSICAL CO HOUSTON TEX
STUDY OF SEISMIC SIGNALS AND NOISE DETECTED BY A HURIED
ARRAY, 15 APR 1963.
RY PHILLIPS G C DDC NUMBER 412422
INSTRUMENT AF 19<628>00341
PROJ/TASK 8652 04
CHANG SHENG WU
WOODALL J C

AFCL 63 480
MAX-PLANCK-INST FUR CHEMIE MAINZ WEST GERMANY
THE TRITIUM CONTENT OF ATMOSPHERIC METHANE, 1963.
EARTH SCI METEORITICS
RY BEGMANN F DDC NUMBER 408724
INSTRUMENT AF 61<052>00465
PROJ/TASK 769076901

AFCL 63 481
INSTRUMENT CORP OF FLORIDA MELBOURNE
LOCATION AND DETERMINATION OF THE LOCATION OF THE ENTRANCE
PUPIL <CENTER OF PROJECTION> OF PC-1000 CAMERA IN OBJECT
SPACE.
BY BROWN D C DDC NUMBER 410849
INSTRUMENT AF 19<604>07279
DAVIS R G DDC NUMBER 410849
INSTRUMENT AF 19<604>07279
PROJ/TASK 765576551
PROJ/TASK 765576554

AFCL 63 482
PENNSYLVANIA STATE U UNIVERSITY PARK
WHISTLER MODE-IONIZED STREAM INTERACTIONS - PART I, 15
JUN 1963.
BY RYDBECK O E H DDC NUMBER 414950
INSTRUMENT AF 19<604>04563
ASKNE J DDC NUMBER 414950
INSTRUMENT AF 19<604>04563
PROJ/TASK 8605 02

AFCL 63 483
TEXAS U AUSTIN
CONSIDERING FOREST VEGETATION AS AN IMPERFECT DIELECTRIC
SLAB, 31 MAY 1963
BY POUNDS D J DDC NUMBER 410836
INSTRUMENT AF 19<604>08038
LAGRONF A H DDC NUMBER 410836
INSTRUMENT AF 19<604>08038
PROJ/TASK 4603
PROJ/TASK 767076703

AFCL 63 484
ARIZONA STATE U FLAGSTAFF
INFRARED ATMOSPHERIC STUDIES, MAY 1963.
RY ADEL A DDC NUMBER 406913
INSTRUMENT AF 19<628>00301

AFCL 63 485
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
L G HANSCOM FIELD MASS
PARAMETRIC FORMULAS GEODESIC CURVES AND DISTANCES ON A
SLIGHTLY OBLATE EARTH, APR 1963.
BY LEWIS F A DDC NUMBER 412501
PROJ/TASK 4662 05

AFCL 63 486
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
RADIATION PATTERN OF RAYLEIGH WAVES FROM A FAULT OF
ARBITRARY DIP AND DIRECTION OF MOTION IN A HOMOGENEOUS
MEDIUM, MAY 1963.
RY HASKELL N A DDC NUMBER 407674
PROJ/TASK 8652

AFCL 63 487
HARVARD U CAMBRIDGE MASS
APPROXIMATE INTEGRAL EQUATIONS FOR THE TEMPERATURE IN NON-
GRAY MODEL ATMOSPHERES, MAY 1963.
BY STONE P H DDC NUMBER 408305
INSTRUMENT AF 19<604>04545
PROJ/TASK 863586352

AFCL 63 488
GEORGIA INST OF TECH ATLANTA
STUDY OF PHOTOCHEMISTRY. PHYSICAL STATE AND MOTION OF THE
UPPER ATMOSPHERE, MAR 1963.
BY EDWARDS H D DDC NUMBER 408625
INSTRUMENT AF 19<604>05467
PROJ/TASK 4984 01

AFCL 63 490
DENVER U COLO
VARIATION OF THE INFRARED SOLAR SPECTRUM BETWEEN 2800 CM⁻¹
AND 5100 CM⁻¹ WITH ALTITUDE, 25 APR 1963
BY MURCRAE D G DDC NUMBER 408625
INSTRUMENT AF 19<604>07429
WILLIAMS W J DDC NUMBER 408625
INSTRUMENT AF 19<604>07429
PROJ/TASK 8662

AFCL 63 491
ASTRONOMY ELECTRIC PRODUCTS INC WALTHAM MASS
A STUDY OF EXTREMELY-LOW-FREQUENCY WAVE MOTIONS, APR 1963.
RY CANTOR A DDC NUMBER 408099
FARBER J DDC NUMBER 408099
INSTRUMENT AF 19<628>00340
PROJ/TASK 5631 01

AFCL 63 492
ASTRONETIC RESEARCH INC NASHUA N H
MODEL ARI 4103 COLLECTOR BIAS GENERATOR.
BY PARKER G DDC NUMBER 412927
INSTRUMENT AF 19<628>02420
PROJ/TASK 8617 01

AFCL 63 493
HAWAII U HONOLULU
TROPICAL CYCLONES OF THE EASTERN NORTH PACIFIC AS REVEALED
BY TIROS OBSERVATIONS, MAY 1963.
BY SADLER J C DDC NUMBER 412403
INSTRUMENT AF 19<604>06156
PROJ/TASK 669866982

AFCL 63 494
HAWAII U HONOLULU
SPECTRUM OF THE FLARE OF SEPTEMBER 2, 1960, MAY 1963.
ASTROPHYS J 137 2 FEB 1963
BY SMITH E V P DDC NUMBER 414679
INSTRUMENT AF 19<604>04961
PROJ/TASK 7649 02
PROJ/TASK 504379708

AFCL 63 495
JOHNS HOPKINS U BALTIMORE MD
MEASUREMENT OF INFRARED SPECTRAL COMPONENTS FLOWING UPWARD
AND DOWNWARD IN THE ATMOSPHERE, 19 APR 1963.
BY WHITE R C DDC NUMBER 414679
INSTRUMENT AF 19<604>06174

AFCL 63 496
TEXAS U AUSTIN
RESEARCH DIRECTED TOWARD THE DEVELOPMENT OF BASIC
TECHNIQUES OF FORECASTING THE NOCTURNAL FORMATION AND
DISSIPATION OF RADIATION FOG AND SELECTED MESOSCALE
PHENOMENA, 31 MAR 1963
RY DUCHON C F DDC NUMBER 410849
WILLIS G DDC NUMBER 410849
INSTRUMENT AF 19<604>07279
PROJ/TASK 765576551
PROJ/TASK 765576554

AFCL 63 497
STANFORD U CALIF
EXCITATION OF FIELD-ALIGNED SOUND WAVES BY ELECTRON
STREAMS, APR 1963.
RY BUNEMAN O DDC NUMBER 413888
INSTRUMENT AF 19<628>00233
PROJ/TASK 8653

AFCL 63 498
OSSERVATORIO ASTROFISICO DI ARCETRI FLORENCE ITALY
SCINTILLATION OF THE RADIO-SUN AT CM WAVELENGTH.
RY NOCI G DDC NUMBER 405602
PIATTILLI M DDC NUMBER 405602
RIGHTINI G DDC NUMBER 405602
TAGLIAFERRI G DDC NUMBER 405602
INSTRUMENT AF 61<052>00430
PROJ/TASK 556346305

AFCL 63 499
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
METEOR DATA BULLETIN NO. 12.
DDC NUMBER 418313
INSTRUMENT AF 61<052>00227
PROJ/TASK 5630

AFCL 63 500
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
ATMOSPHERIC DISPERSION AND ABSORPTION OF MICROWAVES, APR
1963.
BY FAGIOLI O DDC NUMBER 418313
CASINI G DDC NUMBER 418313
INSTRUMENT AF 61<052>00593
PROJ/TASK 5633 04

AFCL 63 501
DENMARK TECHNICAL U COPENHAGEN
PARAMETRIC CURVES FOR RADIATION FROM A VERTICAL DIPOLE
NEAR A COASTLINE, JUL 1963.
RY CHRISTIANSEN S DDC NUMBER 418313
ANDERSEN J R DDC NUMBER 418313
INSTRUMENT AF 61<052>00503
PROJ/TASK 5635 02

AFCL 63 502
OXFORD U ENGLAND
FLUORINE ENDOR IN CALCIUM FLUORIDE, MAY 1963.
BY BAKER J M DDC NUMBER 418313
MURRELL J P DDC NUMBER 418313
INSTRUMENT AF 61<052>00677
PROJ/TASK 5621 04

AFCL 63 503
ROYAL INST OF TECH STOCKHOLM SWEDEN
QUARTERLY PROGRESS AND STATUS REPORT, 15 APR 1962.
INSTRUMENT AF-EOAR -0082-62
PROJ/TASK 4610 02

AFCL 63 504
ROYAL INST OF TECH STOCKHOLM SWEDEN
QUARTERLY PROGRESS AND STATUS REPORT, 15 OCT 1962.
INSTRUMENT AF-EOAR -0082-62
PROJ/TASK 4610 02

AFCL 63 505
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
MICROWAVE PHYSICS LAB L G HANSCOM FIELD MASS
AUTOMATED SPIN WAVE INSTABILITY THRESHOLD MEASUREMENT AND
RECORDING, OCT 1963.
RY PURNHAGEN T G DDC NUMBER 418313
PROJ/TASK 4600 03

AFCL 63 906
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS DATA SCIENCES LAB
L G HANSON FIELD MASS
PASSIVE AND TRANSFORMERLESS LC, RC AND RL ONE-PORTS, OCT
1963.
BY HAAKE E H
PROJ/TASK 5628 06

AFCL 63 907
SYSTEMS DEVELOPMENT CORP SANTA MONICA CALIF
TWO THEOREMS ABOUT REGULAR BASES OF SETS OF WORDS, 4 SEP
1963.
BY GINSBURG S
MIRNARD T N
INSTRUMENT AF 19C628>00485
PROJ/TASK 464146410

AFCL 63 911
STANFORD RESEARCH INST MENLO PARK CALIF
AIRCRAFT PROPELLER CORONA THRESHOLD AND ITS EFFECT ON
PRECIPITATION STATIC NOISE REDUCTION, SEP 1963.
BY VANCE F F
MANVICZ J F
INSTRUMENT AF 19C628>00325
PROJ/TASK 4600 01

AFCL 63 914
PARKE MATHEMATICAL LABS INC CARLISLE MASS
DECODING RULES FOR KAUFZ-S CODES, OCT 1963.
BY HAEFFEL H G
INSTRUMENT AF 19C604>07493
PROJ/TASK 5628

AFCL 63 916
RITZBERG W INNSBRUCK AUSTRIA
CALCULATION OF THE DIPOLE FIELD USING THE VLF
APPROXIMATION, 10 AUG 1963.
BY HOMMEL R
INSTRUMENT AF 61C052>00490
PROJ/TASK 4610 01

AFCL 63 920
NEW YORK U NEW YORK
A SIMPLIFIED ANALYSIS OF THE SERIES-SHUNT FEEDBACK PAIR,
9 SEP 1963.
BY GHAIK M C
INSTRUMENT AF 19C628>00379
PROJ/TASK 5628 06

AFCL 63 936
MOTOROLA INC PHOENIX ARIZ
RESEARCH AND DEVELOPMENT FOR SURFACE PROTECTION FOR
SILICON DEVICES, 14 SEP 1963.
BY FLASCHEN S S
COOPER M M
HALL M A
INSTRUMENT AF 19C604>00358
PROJ/TASK 5621

AFCL 63 940
HUGHES AIRCRAFT CO CULVER CITY CALIF
ADMITTANCE OF WAVEGUIDE RADIATING INTO PLASMA ENVIRONMENT,
OCT 1963.
BY VILLENIEVE A T
INSTRUMENT AF 19C604>08386
PROJ/TASK 4600 01

AFCL 63 951
NEW YORK U NEW YORK
ASYMPTOTIC METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, THE
REDUCED WAVE EQUATION AND MAXWELL-S EQUATION, NOV 1963.
BY LEWIS R M
FELDER J B
INSTRUMENT AF 19C604>04238
PROJ/TASK 5635 02

AFCL 63 992A
GENERAL ELECTRIC CO SCHENECTADY N Y
SEMICONDUCTOR DEVICE CONCEPTS.
BY AVFN M
HALL R N
RACETT J H
WOODRURY H H
GARWACKI W
SCHWABZ S
SOLTYS T J
FSMANN L H
INSTRUMENT AF 19C628>00129
PROJ/TASK 4608 04

AFCL 63 992B
GENERAL ELECTRIC CO SCHENECTADY N Y
SEMICONDUCTOR DEVICE CONCEPTS.
BY AVFN M
HALL R N
RACETT J H
WOODRURY H H
GARWACKI W
SCHWABZ S
SOLTYS T J
FSMANN L H
INSTRUMENT AF 19C628>00329
PROJ/TASK 4608 04

AFCL 63 800
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
METFOR DATA BULLETIN NO. 13, JUL 1962.
DDC NUMBER 41814
INSTRUMENT AF 61C052>00227
PROJ/TASK 5630

AFCL 63 801
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
METFOR DATA BULLETIN NO. 14, SEP 1962.
DDC NUMBER 41814
INSTRUMENT AF 61C052>00227
PROJ/TASK 5630

AFCL 63 802
DENVER COLO
ABSOLUTE CALIBRATION OF A SPECTRAL RADIOMETER, 15 MAY 1963.
BY WILLIAMS W J
MURCRAV D G
MURCRAV F H
DDC NUMBER 417632
INSTRUMENT AF 19C604>07427
PROJ/TASK 8662

AFCL 63 803
PENNSYLVANIA STATE U UNIVERSITY PARK
MODEL STUDIES OF EFFECTS OF NEAR SOURCE VELOCITY
DISCONTINUITIES OF FIRST-MOTION PATTERNS, 9 APR 1963.
BY LAVIN P M
HOWELL R F JR
INSTRUMENT AF 19C604>07383
PROJ/TASK 8657 03

AFCL 63 804
MASSACHUSETTS INST OF TECH CAMBRIDGE
DIGITAL FILTERS AND APPLICATIONS TO SEISMIC DETECTION AND
DISCRIMINATION, FEB 1963.
BY CLARROUT J F
DDC NUMBER 4094 1
INSTRUMENT AF 19C604>07378
PROJ/TASK 8657 03

AFCL 63 805
ALASKA U COLLEGE
HYDROMAGNETIC INTERPRETATION OF SUDDEN COMMENCEMENTS OF
GEOMAGNETIC STORMS, MAY 1963.
BY WILSON C R
DDC NUMBER 410399
INSTRUMENT AF 19C604>07986
PROJ/TASK 8601 04

AFCL 63 806
BOSTON U MASS
CRYSTAL STRUCTURE STUDIES OF MATERIALS FOR POTENTIAL USE
IN SOLAR ENERGY CONVERSION, 30 APR 1963.
BY FOIKS E
DDC NUMBER 407695
INSTRUMENT AF 19C604>07944
PROJ/TASK 862662945

AFCL 63 807
SPERRY RAND CORP FORD INSTRUMENT CO LONG ISLAND CITY N Y
RESEARCH STUDIES IN THE ROLE OF ADDITIVES IN THE LOW
TEMPERATURE CERIUM DIODE, MAY 1963.
BY SILVERBERG M
HARING L
MCINALLY J
BERNSTEIN M
DDC NUMBER 411276
INSTRUMENT AF 19C604>07846
PROJ/TASK 869261921

AFCL 63 808
ST JOSEPH COLL WEST HARTFORD CONN
FORMATION OF ENERGY RICH COMPOUNDS AT LIGHT ACTIVATED
SENSITIZER SURFACES, JUN 1963.
BY MARKHAM M C
DDC NUMBER 407090
INSTRUMENT AF 19C604>07224
PROJ/TASK 8694 02

AFCL 63 809
SASKATCHEWAN U SASKATOON CANADA
BASIC RESEARCH ON AURORA AND AIRGLOW, 30 APR 1963.
BY HINTON D M
JONES A V
DDC NUMBER 408612
INSTRUMENT AF 19C604>07265
PROJ/TASK 766176612

AFCL 63 810
MINNESOTA U MINNEAPOLIS
NON-RADIATIVE ELECTRONIC ENERGY TRANSFER IN ORGANIC
LIQUIDS AT HIGH DONOR% CONCENTRATIONS, MAY 1963.
BY LIPSKY S
DDC NUMBER 409481
INSTRUMENT AF 19C604>08156
PROJ/TASK 869666 41

AFCL 63 811
COLORADO U BOULDER
OPTICAL CONSTANTS OF METALS IN THE FAR ULTRAVIOLET AND
THEIR RELATION TO ENERGY BAND STRUCTURE, 1 MAY 1963.
BY GOURNAY L S
DDC NUMBER 407802
INSTRUMENT AF 19C628>00287
PROJ/TASK 763528166

AFCL 63 812
HARVARD U CAMBRIDGE MASS
LABORATORY STUDIES OF ATOMIC AND ELECTRONIC COLLISION
PROCESSES RELEVANT TO THE STUDY OF THE UPPER ATMOSPHERE,
6 MAY 1963.
BY CARLETON N P
INSTRUMENT AF 19C628>000318
PROJ/TASK 766176614

AFCL 63 813
SASKATCHEWAN U SASKATOON CANADA
AURORAL PATCHES SHOWING STRONG HYDROGEN LINES
BY MONTGOMERY L F J
JONES A V
INSTRUMENT AF 19C628>02829
PROJ/TASK 7661 02

AFCL 63 814
SASKATCHEWAN U SASKATOON CANADA
THE DIURNAL VARIATION AND EXCITATION MECHANISM OF THE
1.55 μ - 1.5 μ
BY JONES A V
GATTINGE P L
INSTRUMENT AF 19C628>02829
PROJ/TASK 7661 02

AFCL 63 815
COLUMBIA U NEW YORK N Y
GEOMAGNETIC OBSERVATIONS ON FLETCHER-S ICE ISLAND CT-336
APRIL 18 - SEPTEMBER 11, 1961, APR 1963.
BY WALTER J G C
DDC NUMBER 417642
INSTRUMENT AF 19C604>07467
PROJ/TASK 7628 05

AFCL 63 816
COLUMBIA U NEW YORK N Y
TIDE AND STORM SURGE OBSERVATIONS IN THE CHURCH SEA, MAY
1963.
BY HINKINS R L
DDC NUMBER 414368
INSTRUMENT AF 19C604>07467
PROJ/TASK 7628 05

AFCL 63 817
HIGH ALTITUDE INSTRUMENT CO GOLDEN COLO
A REPORT OF SIX EXPEDITIONS AND SOLAR FLUX DATA FROM
COLORADO BALLOON FLIGHTS, 17 MAY 1962, FEB 1963.
BY GODDARD A A JR
DDC NUMBER 410741
INSTRUMENT AF 19C604>07427
PROJ/TASK 7621

AFRL 63 618
 NEW YORK U NEW YORK
 LOW ENERGY PROTON-DEUTERON AND NEUTRON-DEUTERON SCATTERING
 MAY 1963.
 BY WALTERSTEIN V
 ROCHFNRG L
 SPRUCH L
 INSTRUMENT AF 19C606>04555
 PROJ/TASK 7635 07

AFRL 63 619
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
 SOLUTIONS OF LONG-LINE GEODETIC AZIMUTHS BY
 PHOTOGRAMMETRIC TECHNIQUES, JUN 1963.
 BY MANCINI A
 VAMBER H P
 SHELDON L L
 MORONEY R W
 DDC NUMBER 413008
 INSTRUMENT AF 19C606>08706
 PROJ/TASK 7600 03

AFRL 63 620
 COLUMBIA U NEW YORK N Y
 ADDITIONAL EVIDENCE RELATING TO A WORLDWIDE STORM OF
 MICROSPHERES WITH PERIODS OF ABOUT 27 SECONDS, APR 1963.
 BULL SEISMOL SOC AM 53 3 681-685
 BY OLIVER J
 DDC NUMBER 415305
 INSTRUMENT AF 19C606>07376
 PROJ/TASK 8652 03

AFRL 63 621
 COLUMBIA U NEW YORK N Y
 FREE SPHEROIDAL VIBRATIONS OF THE EARTH AT VERY LONG
 PERIODS, PART I, APR 1963.
 BULL SEISMOL SOC AM 53 3 483-501
 BY ALSOP L F
 DDC NUMBER 415304
 INSTRUMENT AF 19C606>07376
 PROJ/TASK 8652 03

AFRL 63 622
 COLUMBIA U NEW YORK N Y
 FREE SPHEROIDAL VIBRATIONS OF THE EARTH AT VERY LONG
 PERIODS, PART II, EFFECT OF RIGIDITY OF THE INNER CORE,
 APR 1963.
 BULL SEISMOL SOC AM 53 3 503-515
 BY ALSOP L F
 DDC NUMBER 415306
 INSTRUMENT AF 19C606>07376
 PROJ/TASK 8652 03

AFRL 63 623
 CHICAGO U ILL
 ON THE INFLUENCE OF RELEASED LATENT HEAT ON CYCLONE
 DEVELOPMENT, JUN 1963.
 BY DANARD M R
 DDC NUMBER 407688
 INSTRUMENT AF 19C606>07230
 PROJ/TASK 866186410

AFRL 63 624
 ALASKA U COLLEGE
 THE CROSS MODULATION OF COSMIC NOISE - A TECHNIQUE FOR
 INVESTIGATING THE DISTURBED D REGION, MAY 1963.
 BY BENSON R F
 DDC NUMBER 416436
 INSTRUMENT AF 19C606>08833
 PROJ/TASK 7663 02

AFRL 63 625
 CHICAGO U ILL
 SPECTROSCOPIC RESEARCH, 31 MAY 1963.
 BY MULLIKEN R S
 DDC NUMBER 408620
 INSTRUMENT AF 19C606>06662
 PROJ/TASK 862786271

AFRL 63 626
 RAYTHEON CO NORWOOD MASS
 MISSILE LAUNCH DETECTION USING MULTIHOP GROUND BACKSCATTER
 QIN, MAY 1963, SECRET.
 BY CAMPBELL L W
 EDWARDS L C
 INSTRUMENT AF 19C628>02373
 PROJ/TASK 864946441
 PROJ/TASK 4691 02

AFRL 63 627
 OHIO STATE U RESEARCH FOUNDATION COLUMBUS
 ON THE THEORY OF ERRORS OF PHYSICAL GEODESY (GRAVITATIONAL
 FIELD OF THE EARTH AND SATELLITE ORBITS), OCT 1962.
 BY MORITZ H
 DDC NUMBER 410292
 INSTRUMENT AF 19C628>01626
 PROJ/TASK 7600 03

AFRL 63 628
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 STUDIES OF THE ATMOSPHERIC GENERAL CIRCULATION, IV, 30 APR
 1963.
 BY STARR V P
 DDC NUMBER 417124
 INSTRUMENT AF 19C606>06104
 PROJ/TASK 862886280

AFRL 63 629
 TEXAS COLL OF A AND M COLLEGE STATION
 A STUDY OF SPATIAL VARIATIONS IN MICROMETEOROLOGICAL
 PARAMETERS, 30 APR 1963.
 BY CLAYTON W H
 MISTRY D O
 DDC NUMBER 409898
 INSTRUMENT AF 19C606>05927
 PROJ/TASK 765576541
 PROJ/TASK 860486040

AFRL 63 630
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 FURTHER RESEARCH DIRECTED TOWARD THE STUDY OF RELATIONS
 OF ATMOSPHERIC FLOW TO WEATHER.
 BY SANDERS J
 INSTRUMENT AF 19C606>08373
 PROJ/TASK 864186410

AFRL 63 631
 WESTERN ONTARIO U LONDON CANADA
 INVESTIGATION OF REFRACTOMETRIC MEASUREMENTS IN THE
 ATMOSPHERE AT HIGH RELATIVE HUMIDITIES AND TEMPERATURES,
 JUL 1963.
 BY HAY D R
 TURNER H F
 INSTRUMENT AF 19C628>00444
 PROJ/TASK 8682 02

AFRL 63 632
 RAYLOR U WACO TEX
 CATALYTIC PROCESSES ON PLATINIZED PLATINUM ELECTRODES, APR
 1963.
 BY FRANKLIN T C
 MCCLELLAND O
 FRANKLIN N F
 DDC NUMBER 410477
 INSTRUMENT AF 19C606>08414
 PROJ/TASK 8696 06

AFRL 63 633
 NEW YORK U NEW YORK
 MATERIALS FOR THERMOELECTRIC GENERATORS, MAY 1963.
 BY RIVERO J
 CADOFF I
 INSTRUMENT AF 19C606>08076
 PROJ/TASK 8692 01

AFRL 63 634
 KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
 A SYSTEM FOR AUTOMATIC COLLECTION AND PROCESSING OF
 STANDARD MAGNETOMETER DATA, AND THE CALCULATION OF THEIR
 POWER SPECTRUM, 10 APR 1963.
 BY GUSTAFSSON G
 THUNBERG A
 HJERVELLA Y F
 DDC NUMBER 410127
 INSTRUMENT AF 61C052>00237
 PROJ/TASK 8601 02

AFRL 63 635
 UPPSALA U SWEDEN
 MAGNETIC FIELD VARIATIONS IN THE VICINITY OF LIGHTNING
 DISCHARGES IN RELATION TO THEIR CHANNELS
 BY NORINDER H
 KNUDSEN F
 DDC NUMBER 410153
 INSTRUMENT AF 61C052>00171
 PROJ/TASK 5630
 PROJ/TASK 5631

AFRL 63 637
 CHALMERS INST OF TECH GOTHENBURG SWEDEN
 DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA, 3,
 ELECTROMAGNETIC NONLINEAR INTERACTION AND REFLECTION FROM
 A PLANE IONIZED MEDIUM, 1963.
 BY RYDRECF O F H
 DDC NUMBER 414919
 INSTRUMENT AF 61C052>00451
 PROJ/TASK 5961 01

AFRL 63 638
 HARVARD U CAMBRIDGE MASS
 SOLAR RADIO BURSTS OF SPECTRAL TYPES II AND IV - THEIR
 RELATIONS TO OPTICAL PHENOMENA AND TO GEOMAGNETIC ACTIVITY
 JUL 1963.
 BY BELL R
 DDC NUMBER 414651
 INSTRUMENT AF 19C606>04962
 PROJ/TASK 7649 01

AFRL 63 639
 NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY
 MEASUREMENT OF AN ELECTRON DENSITY AND COLLISION FREQUENCY
 PROFILE IN THE LOWER D-REGION DURING POLAR RADIO BLACKOUT
 CONDITIONS, 18 FEB 1963.
 BY HJELLAND R
 HOLY O
 LANDMARK R
 DDC NUMBER 408288
 INSTRUMENT AF 61C052>00464
 PROJ/TASK 563156311

AFRL 63 640
 BLOCK ASSOCI INC CAMBRIDGE MASS
 INFRARED HORIZON STUDIES, 31 JUN 1963.
 BY BERGENROTHER K M
 PERCY W J
 DDC NUMBER 416773
 INSTRUMENT AF 19C628>01618
 PROJ/TASK 4627 02

AFRL 63 642
 SLENIA S P A ROME ITALY
 PROPAGATION OF WAVES IN INHOMOGENEOUS MAGNETO-ACTIVE
 PLASMA COLUMNS, 29 JAN 1963.
 BY DE SANTIS I G
 DDC NUMBER 409172
 INSTRUMENT AF 61C052>00145
 PROJ/TASK 5630

AFRL 63 643
 OXFORD U ENGLAND
 (III) - EXPERIMENTAL METHODS FOR DETERMINING LINE WIDTHS,
 PROC ROY SOC A 272 441-442 1963
 BY ROBINSON C C
 THOMPSON H F
 INSTRUMENT AF 61C052>00202
 PROJ/TASK 8603 03

AFRL 63 644
 OXFORD U ENGLAND
 REPRINT FROM THE PROCEEDINGS OF THE ROYAL SOCIETY,
 PROC ROY SOC I 272 453-466 1963
 INSTRUMENT AF 61C052>00202
 PROJ/TASK 8603 03

AFRL 63 645
 DURHAM U ENGLAND
 RESEARCH ON THERMAL CONVECTION IN ROTATING FLUIDS AND ON
 ROTATING BAROTROPIC FLUIDS, DEC 1961.
 BY HIDE R
 DDC NUMBER 414758
 INSTRUMENT AF 61C052>00216
 PROJ/TASK 860686063

AFRL 63 646
 WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
 WIDTHS OF HCL OVERTONE LINES AT VARIOUS TEMPERATURES, MAR
 1963.
 BY GOLDBERG H
 BENFON M
 DDC NUMBER 410278
 INSTRUMENT AF 61C052>00388
 PROJ/TASK 8603 03

AFRL 63 647
 WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
 INFLUENCE OF VIBRATION-ROTATION INTERACTION ON SPECTRAL
 LINE INTENSITIES OF LINEAR MOLECULES, MAR 1963.
 BY JACOBI N
 JAFFE J H
 DDC NUMBER 410152
 INSTRUMENT AF 61C052>00388
 PROJ/TASK 8603 03

AFCL 63 648
 LIFE U BELGIUM
 RESEARCH ON RELATIONS BETWEEN COMETARY, SOLAR AND UPPER
 ATMOSPHERIC PROCESSES, 24 APR 1963.
 BY SWINGS P
 DDC NUMBER 408320
 INSTRUMENT AF 61<052>00987
 PROJ/TASK 860586055

AFCL 63 649
 LIFE U BELGIUM
 COLLISIONS BETWEEN WEST FORD NEEDLES AND MICROMETEORITES,
 10 MAY 1963.
 BY SAIVAL A
 DDC NUMBER 408320
 INSTRUMENT AF 61<052>00987
 PROJ/TASK 860586055

AFCL 63 650
 ISRAEL INST OF TECH HAIFA
 MAGNETO-IONIC WAVE PROPAGATION IN THE IONOSPHERE - THE
 DIRECTION OF MINIMUM ABSORPTION OF A HOMOGENEOUS PLANE
 TRAVELING A HOMOGENEOUS IONOSPHERIC SLAB, 28 FEB 1963.
 BY ALTMAN C
 DDC NUMBER 413302
 INSTRUMENT AF 61<052>00555
 PROJ/TASK 563156311

AFCL 63 651
 CENTRO DI STUDIO PER LA FISICA MICROONDE
 FLORENCE ITALY
 A FIRST RESULT ABOUT METEOR FLOW DERIVED FROM RADAR
 OBSERVATIONS, MAR 1963.
 BY CARRARA N
 DDC NUMBER 418344
 INSTRUMENT AF 61<052>00592
 PROJ/TASK 5631 02

AFCL 63 652
 CENTRO DI STUDIO PER LA FISICA MICROONDE
 FLORENCE ITALY
 RADAR PCMO OBSERVATIONS OF QUADRANTIDE SHOWER, MAR 1963.
 BY CECCARELLI S
 DDC NUMBER 418343
 INSTRUMENT AF 61<052>00592
 PROJ/TASK 5631 02

AFCL 63 653
 PENNSYLVANIA STATE U UNIVERSITY PARK
 AN INVESTIGATION OF THE INFLUENCE OF COLLISIONS ON LOW
 FREQUENCY GROUP HEIGHTS, 13 JUL 1963.
 BY HARDY J D
 DDC NUMBER 408555
 INSTRUMENT AF 19<604>08012
 PROJ/TASK 8605 01

AFCL 63 654
 PHYSICAL METEOROLOGICAL OBSERVATORY DAVOS PLATZ
 SWITZERLAND
 THE DIURNAL AND ANNUAL VARIATIONS OF THE SPECTRAL
 INTENSITY OF ULTRAVIOLET SKY AND GLOBAL RADIATION ON
 CLOUDLESS DAYS AT DAVOS, 1960 M.A.S.L., JAN 1963.
 BY BENER P
 DDC NUMBER 409030
 INSTRUMENT AF 61<052>00618
 PROJ/TASK 7621 03

AFCL 63 655
 ALLIED RESEARCH ASSOC INC CONCORD MASS
 APT USER-S GUIDE, JUN 1963.
 BY GOLDSBLAK L
 DDC NUMBER 409109
 INSTRUMENT AF 19<628>02471
 PROJ/TASK 6698 02

AFCL 63 656
 HARVARD U CAMBRIDGE MASS
 LABORATORY STUDIES OF ATOMIC AND ELECTRONIC COLLISION
 PROCESSES RELEVANT TO THE STUDY OF THE UPPER ATMOSPHERE, 6
 MAY 1963.
 BY CARLETON H P
 DDC NUMBER 416580
 INSTRUMENT AF 19<628>00206
 PROJ/TASK 767476790

AFCL 63 657
 COLUMBIA BROADCASTING SYSTEM STAMFORD CONN
 INFRARED EMISSION PHOSPHORS,
 BY THIELPNS P H
 DDC NUMBER 417342
 INSTRUMENT AF 19<604>08068
 PROJ/TASK 767476759

AFCL 63 658
 MALMERS INST OF TECH GOTHENBURG SWEDEN
 DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA, 1963.
 BY WILHELMSSON M
 DDC NUMBER 415427
 INSTRUMENT AF 61<052>00451
 PROJ/TASK 5461 01

AFCL 63 659
 LIGHTCLIMATIC OBSERVATORY AROSA SWITZERLAND
 VERTICAL OZONE DISTRIBUTION OVER AROSA FROM SEVENTEEN
 MONTHS OF ROUTINE OBSERVATIONS OF THE UMKEHR EFFECT.
 BY DUTSCH M U
 DDC NUMBER 408264
 INSTRUMENT AF-EDAR -0018-61
 PROJ/TASK 860486045

AFCL 63 660
 COLORADO U BOULDER
 PROCEEDINGS ON THE CONFERENCE ON THE LIMITS OF THE 11TH
 AND 16TH CENTURIES, 18-24 JUN 1962.
 BY RYAN R A
 DDC NUMBER 408264
 INSTRUMENT AF 19<628>00482
 PROJ/TASK 8628 04

AFCL 63 662
 STANFORD RESEARCH INST MENLO PARK CALIF
 DYNAMIC PROPERTIES OF ROCKS, 15 AUG 1963.
 BY GREGSON V G
 DDC NUMBER 413819
 INSTRUMENT AF 19<604>08419
 PROJ/TASK 8652 01

AFCL 63 664
 ALLIED RESEARCH ASSOC INC CONCORD MASS
 TERRESTRIAL FEATURES OF THE UNITED STATES VIEWED FROM
 TIROS.
 BY CROWIN J F
 DDC NUMBER 413087
 INSTRUMENT AF 19<628>02471
 PROJ/TASK 6698 02

AFCL 63 665
 HARVEY AND DETER LARS INC FITCHBURG MASS
 RESEARCH INTO GRAVITY MEASURING TECHNIQUES, MAR 1963.
 DDC NUMBER 412923
 INSTRUMENT AF 19<604>07220
 PROJ/TASK 7600 07

AFCL 63 666
 PHYSICS-ENGINEERING-CHEMISTRY CORP BOULDER COLO
 INVESTIGATION FOR THE PURPOSE OF IMPROVING THE EFFICIENCY
 OF UTILIZATION OF SOLAR ENERGY BY THE DECOMPOSITION OF
 WATER INTO HYDROGEN AND OXYGEN, MAY 1963.
 BY WFEY R F
 DDC NUMBER 413930
 INSTRUMENT AF 19<604>08420
 PROJ/TASK 669466940

AFCL 63 667
 PITTSBURGH U PA
 INVESTIGATIONS OF VIBRATION-ROTATION LINE STRENGTHS AND
 WIDTHS IN HCL AND HI, MAY 1963.
 BY BENFACH M
 DDC NUMBER 412708
 INSTRUMENT AF 19<604>06138
 PROJ/TASK 860186033

AFCL 63 668
 AVCO CORP WILMINGTON MASS
 RESEARCH ON AFROSOL SCATTERING IN THE INFRARED, JUN 1963.
 BY PENNDORF R B
 DDC NUMBER 414384
 INSTRUMENT AF 19<604>05743
 PROJ/TASK 767076704

AFCL 63 669
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS SPACE PHYSICS LAB
 L G HANSCOM FIELD MASS
 SPHERICAL HARMONIC ANALYSES - I - A NEW METHOD AND ITS
 VERIFICATIONS, JUN 1963.
 BY FOUGERE P M
 DDC NUMBER 412825
 PROJ/TASK 7601 05

AFCL 63 670
 ALLIED RESEARCH ASSOC INC CONCORD MASS
 A MODIFICATION OF THE FUJITA METHOD FOR TIROS PHOTOGRAPH
 RECTIFICATION, 15 JUN 1963.
 BY CROWIN J F
 DDC NUMBER 414563
 INSTRUMENT AF 19<628>00320
 PROJ/TASK 7659 01

AFCL 63 671
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 COMPUTATIONS OF THE EDDY HEAT AND DENSITY TRANSPORTS
 ACROSS THE GULF STREAM, 1 JUL 1963.
 BY DORT A H
 DDC NUMBER 414364
 INSTRUMENT AF 19<628>02408
 PROJ/TASK 8678

AFCL 63 672
 MICHIGAN U ANN ARBOR
 SEISMIC STUDIES AND EXPERIMENTAL INVESTIGATIONS, JUN 1963.
 BY WILLIS D F
 DDC NUMBER 408773
 INSTRUMENT AF 19<604>06642
 PROJ/TASK 763976396

AFCL 63 673
 MICHIGAN U ANN ARBOR
 COMPUTER STUDIES OF MICROFISH STATISTICS WITH
 APPLICATIONS TO PREDICTION AND DETECTION, MAY 1963.
 BY GALBRAITH J N JR
 DDC NUMBER 409031
 INSTRUMENT AF 19<604>07378
 PROJ/TASK 8652 03

AFCL 63 674
 HARVARD U CAMBRIDGE MASS
 RESEARCH IN MAGNETOHYDRODYNAMICS AND ITS ASTROPHYSICAL
 APPLICATIONS, JUN 1963.
 BY KROOK M
 DDC NUMBER 414494
 INSTRUMENT AF 19<604>06545
 PROJ/TASK 863586352

AFCL 63 675
 AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
 OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
 A MODEL OF A CLEAR STANDARD ATMOSPHERE FOR ATTENUATION IN
 THE VISIBLE REGION AND INFRARED WINDOWS, JUL 1963.
 BY FLETCHER I
 PROJ/TASK 7670 03

AFCL 63 676
 COLUMBIA U NEW YORK N Y
 ANALOG ANALYSIS OF SEISMOGRAMS RECORDED ON MAGNETIC TAPE,
 1 MAY 1963.
 BY SITTON G N
 DDC NUMBER 416516
 INSTRUMENT AF 19<604>07376
 PROJ/TASK 8652 03

AFCL 63 677
 STANFORD RESEARCH INST MENLO PARK CALIF
 DESIGN AND CONSTRUCTION OF 150-FOOT STIFFERABLE PARABOLIC
 ANTENNAS, MAY 1963.
 BY SCHLUBROTH J C
 DDC NUMBER 417721
 INSTRUMENT AF 19<604>05912

AFCL 63 678
MCGILL U MONTREAL P Q CANADA
A MULTI-LEVEL STUDY OF HEAT TRANSFER.
BY HILL C
INSTRUMENT AF 19<604>08431
PROJ/TASK 7690 01
PROJ/TASK 8604

AFCL 63 680
MUNICH U WEST GERMANY
INVESTIGATION OF THE INFRARED EMISSION SPECTRUM OF THE
ATMOSPHERE AND EARTH, MAY 1963.
BY BOLLE H-J
MOLLER F
ZIMMERMANN W
DDC NUMBER 416497
INSTRUMENT AF 61<052>00277
PROJ/TASK 860386032

AFCL 63 681
UPPSALA U SWEDEN
COSMIC RAY INTENSITY VARIATIONS DURING 1962, 25 APR 1963.
BY SANDSTROM A F
DYRING F
ELKSTROM L
GRONKVIST B O
LINDGREN S
OSTMAN B
DDC NUMBER 413048
INSTRUMENT AF 61<052>00614
PROJ/TASK 8600 03

AFCL 63 682
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
PROPAGATION OF A PULSE WITHIN A SPHERE, 10 APR 1963.
BY ALTERMAN Z
KERNFIELD D
DDC NUMBER 411991
INSTRUMENT AF 61<052>00570
PROJ/TASK 865285206

AFCL 63 683
OKLAHOMA U RESEARCH FOUNDATION NORMAN
DENSITY IN HYDROSTATIC ATMOSPHERES, JUN 1963.
BY WHITFIELD V S
ALICE F F
DDC NUMBER 416049
INSTRUMENT AF 19<604>00689
PROJ/TASK 8624 02

AFCL 63 684
TEXAS U AUSTIN
ANTENNA AND RADIO WAVE PROPAGATION CHARACTERISTICS AT VHF
NEAR AND IN THE GROUND, 30 JUN 1963.
BY SCHWARTZ D M
LAGROFF A H
DDC NUMBER 414347
INSTRUMENT AF 19<604>00838
PROJ/TASK 4603

AFCL 63 685
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
FULL FIELD SEISMIC MODELLING, JUN 1963.
BY THOMPSON K C
DDC NUMBER 419654
PROJ/TASK 8652 10

AFCL 63 686
HARVARD U CAMBRIDGE MASS
CLASSIFICATION OF SOLAR PROMINENCES FOR SUN DOT CYCLE NO.
19, 1959, AUG 1963.
BY WENZEL D M
JONES F S
DDC NUMBER 416511
INSTRUMENT AF 19<604>00962
PROJ/TASK 8601 01

AFCL 63 687
MIDWEST RESEARCH INST KANSAS CITY MO
RESEARCH DIRECTED TOWARD THE STUDY OF THE ACCURACIES OF
ACOUSTIC TEMPERATURE MEASUREMENTS, 1 JUN 1963.
BY SMITH P L JR
DDC NUMBER 412479
INSTRUMENT AF 19<628>00473
PROJ/TASK 8670 01

AFCL 63 688
COLORADO U BOULDER
THE THEORY, DESIGN AND DEVELOPMENT OF AN INTERFEROMETRIC
SPECTROMETER, 1 JUL 1963.
BY WILLSON R C
DDC NUMBER 417763
INSTRUMENT AF 19<628>00287
PROJ/TASK 8627 03

AFCL 63 689
FLORIDA STATE U TALLAHASSEE
THE POTENTIAL-ENERGY BUDGET OF THE STRATOSPHERE OVER NORTH
AMERICA DURING THE WARMING OF 1947, 20 JUN 1963.
BY LATIFF M A
DDC NUMBER 414644
INSTRUMENT AF 19<628>00394
PROJ/TASK 8604 03

AFCL 63 690
MASSACHUSETTS INST OF TECH CAMBRIDGE
ENERGETICS OF THE SOLAR SEMIDIURNAL TIDE IN THE ATMOSPHERE
10 JUL 1963.
BY JONES W L
DDC NUMBER 414910
INSTRUMENT AF 19<628>02408
PROJ/TASK 8628

AFCL 63 691
COLUMBIA U NEW YORK N Y
SHALLOW-WATER PROPAGATION IN THE ARCTIC OCEAN, APR 1963.
BY HINKINS K
KUTSCHALF H W
DDC NUMBER 414919
INSTRUMENT AF 19<604>07442
PROJ/TASK 7628 05

AFCL 63 692
STANFORD U CALIF
ON A REMARKABLE CORRELATION BETWEEN WHISTLER-MODE
PROPAGATION AND HF NORTHSCATTER, JUN 1963.
BY CARPENTER G R
COLIN L
DDC NUMBER 418107
INSTRUMENT AF 19<628>00233
PROJ/TASK 8653

AFCL 63 693
COLUMBIA U NEW YORK N Y
GEOPHYSICAL INVESTIGATION OF ARCTIC ICE PACK, JUN 1963.
BY KUTSCHALF H W
FARRAND W R
INSTRUMENT AF 19<604>07442
PROJ/TASK 7628 05

AFCL 63 694
ALLIED RESEARCH ASSOC INC CONCORD MASS
AN ANALYSIS OF STRATIFORM CLOUD PATTERNS IN THE CANARY
ISLANDS REGION, 24 JUN 1963.
BY MERRITT F S
DDC NUMBER 418187
INSTRUMENT AF 19<628>00920
PROJ/TASK 7659 01

AFCL 63 695
CHALMERS INST OF TECH GOTHENBURG SWEDEN
DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA, 4.
NONLINEAR ELECTROMAGNETIC WAVE PROPAGATION AND HARMONIC
RADIATION IN MAGNETO-IONIC MEDIA, 1 MAR 1963.
BY HYDRECE O F M
DDC NUMBER 419440
INSTRUMENT AF 61<052>00491
PROJ/TASK 5561 01

AFCL 63 696
MASSACHUSETTS INST OF TECH CAMBRIDGE
SIMPLIFIED DYNAMIC EQUATIONS AND THEIR USE IN THE STUDY
OF ATMOSPHERIC PREDICTABILITY, APR 1963.
BY LORENZ F M
DDC NUMBER 412445
INSTRUMENT AF 19<604>04969
PROJ/TASK 862886281

AFCL 63 698
WELFAR INC FALLS CHURCH VA
RESEARCH DIRECTED TOWARD THE DEVELOPMENT OF A LOW ENERGY
ELECTRON GUN, JUN 1963.
BY INGE D T
AMBROSE L G
JONES R C
DDC NUMBER 418186
INSTRUMENT AF 19<628>01650
PROJ/TASK 865886580

AFCL 63 699
DUFFNS U BELFAST NORTHERN IRELAND
THE DIPOLE POLARIZABILITY OF MEMBERS OF THE LITHIUM
SEQUENCE.
BY FLANNERY W R
STEWART A L
DDC NUMBER 411988
INSTRUMENT AF-EOAR -0016-61
PROJ/TASK 765576361

AFCL 63 700
CONSTOCK AND WESCOTT INC CAMBRIDGE MASS
THERMAL ANALYSIS OF THE AFCL SCANNING SPECTROMETER FOR
THE S-47 ORBITING SOLAR OBSERVATORY SATELLITE (OSO-C), 12
JUL 1963.
BY OLMRYS L L
INSTRUMENT AF 19<604>07496
PROJ/TASK 8688 01

AFCL 63 701
ST LOUIS U MO
SEISMIC WAVES GENERATED BY CHEMICAL EXPLOSIONS, 31 JUL
1963.
BY KISSLINGER C
WATERER F J JR
WEEVILLY T V
INSTRUMENT AF 19<604>07402

AFCL 63 702
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
PRACTICAL COMPUTATION OF GRAVITY AT HIGH ALTITUDES, MAY
1963.
BY HEISKAMEN W A
MORITZ H
INSTRUMENT AF 19<628>02771
PROJ/TASK 7600 02

AFCL 63 703
COLORADO U BOULDER
RIAZIAL POINTING CONTROL, AUG 1963.
BY WILSCHAUSEN F C
INSTRUMENT AF 19<604>06649
PROJ/TASK 7659 01

AFCL 63 707
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
OBSERVATION AND IDENTIFICATION OF ION DISSOCIATION
PROCESSES OCCURRING IN THE DRIFT TUBE OF A TOP MASS
SPECTROMETER, SEP 1963.
BY MUNT W W JR
HUFFMAN R F
MCGEE K F
PROJ/TASK 7635 03

AFCL 63 708
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
A TIME OF FLIGHT MASS SPECTROMETER ADAPTED FOR STUDYING
CHARGE TRANSFER, ION DISSOCIATION AND PHOTOIONIZATION, SEP
1963.
BY MUNT W W JR
HUFFMAN R F
SAARI J
WASSFL G
RETTY J
PAUPPE F
WYERS W
FLIEGGE R A
PROJ/TASK 7635 03

AFCL 63 709
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
CHARGE TRANSFER STUDIES WITH A TIME OF FLIGHT MASS
SPECTROMETER - CROSS SECTION FOR N₂⁺ ON N₂ STR 2650 EV.,
SEP 1963.
BY MUNT W W JR
STENFETT A J
NOVACK R
PROJ/TASK 7635 03

AFCL 63 711
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
A SOLUTION TO THE REACTION RATE EQUATIONS IN THE
ATMOSPHERE BELOW 150 KM, SEP 1963.
BY KENNEDY T J
PROJ/TASK 8653 02

AFCL 63 719
BOSTON COLL CHESTNUT HILL MASS
ANIMOMETRICAL STUDY OF TROPOSPHERIC RADIONAVE PROPAGATION,
MAY 1963.
BY RING R M
INSTRUMENT AF 19<620>02772
PROJ/TASK 5631 04

AFCL 63 714
UPPSALA U SWEDEN
RESEARCHES OF WHISTLER PHENOMENA.
BY NORINDER M
INSTRUMENT AF 61<052>00007
PROJ/TASK 766176614

AFCL 63 715
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
SPECTROSCOPY IN THE FAR INFRARED REGION, SEP 1963.
BY RFL E F
OFTJEN R A
ROUNTREE R F
VANCE M F
INSTRUMENT AF 19<604>004119
PROJ/TASK 860186033

AFCL 63 716
CHICAGO U ILL
AN INVESTIGATION OF THE STRUCTURE OF CLOUD AND WEATHER
SYSTEMS ASSOCIATED WITH CYCLONES IN THE UNITED STATES,
SEP 1963.
BY BRADSHAW F L
MCCLAIN F P
OMOTO Y
RAO G V
TERNPS F P
WATSON G F
INSTRUMENT AF 19<604>07230
PROJ/TASK 864186410

AFCL 63 717
CHICAGO U ILL
AN INVESTIGATION OF PRE-FRONTAL PRECIPITATION ZONES, SEP
1963.
BY OMOTO Y
INSTRUMENT AF 19<604>07230
PROJ/TASK 864186410

AFCL 63 718
CHICAGO U ILL
STUDIES IN WEATHER ANALYSIS AND FORECASTING, SEP 1963.
BY PETERSSSEN S
INSTRUMENT AF 19<604>07230
PROJ/TASK 864186410

AFCL 63 720
BERLIN FREE U WEST BERLIN WEST GERMANY
OBJECTIVE ANALYSIS AND FORECASTING OF TOTAL CLOUD AMOUNTS,
30 JUL 1963.
BY CLAUS J R
INSTRUMENT AF 61<052>00544
PROJ/TASK 6020 04

AFCL 63 721
ALASKA U COLLEGE
DISCUSSION OF OUR EARLIER PAPER ON HYDROMAGNETIC
INTERPRETATION OF SUDDEN COMMENCEMENTS OF MAGNETIC STORMS,
MAY 1963.
J GEOPHYS RES 68 10 1914-1920 MAY 1963
BY WILSON C R
SUGIURA M
INSTRUMENT AF 19<604>07988
PROJ/TASK 8601 04

AFCL 63 722
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
ION DISSOCIATION IN THE DRIFT TUBE OF A TIME-OF-FLIGHT
MASS SPECTROMETER - II, FIXED FLIGHT-TIME-SHIFT METHOD
OF IDENTIFYING FRAGMENT IONS, OCT 1963.
BY HUNT W M JR
PROJ/TASK 7635 03

AFCL 63 723
PENNSYLVANIA STATE U UNIVERSITY PARK
INTERACTION OF NEUTRAL ION STREAMS WITH A MAGNETIC DIPOLE
FIELD, 20 OCT 1963.
BY BYRD J W
INSTRUMENT AF 19<604>04563
PROJ/TASK 8605 02

AFCL 63 724
PENNSYLVANIA STATE U UNIVERSITY PARK
THE DETERMINATION OF THE WORLD-WIDE EFFECTIVE
RECOMBINATION COEFFICIENT OF THE F-REGION, 1 NOV 1963.
BY PALLUCONI F D
INSTRUMENT AF 19<604>04563
PROJ/TASK 8605 02

AFCL 63 726
NAPLES U ITALY
PROPAGATION OF ELECTROMAGNETIC WAVES IN AN INHOMOGENEOUS
MEDIUM, MAY 1963.
BY DANIELS G
INSTRUMENT AF 61<052>00548
PROJ/TASK 5631 08

AFCL 63 727
MASSACHUSETTS INST OF TECH CAMBRIDGE
TURBULENT DISPERSION IN A PIPE FLOW, SEP 1963.
BY RECKER M A
ROSENWIG R G
INSTRUMENT AF 19<604>06181
PROJ/TASK 860486040

AFCL 63 729
OXFORD U ENGLAND
THE NIGHTGLOW SPECTRUM. II. H₂ RADIATION IN THE NIGHT
SKY, 19 JUL 1962.
MONTHLY NOTICES ROY ASTRON SOC 124 6 523-532 1962
BY INGHAM M F
INSTRUMENT AF-EDAR -0009-61
PROJ/TASK 860586054

AFCL 63 731
MANCHESTER U ENGLAND
A PHOTOELECTRIC SPECTROPHOTOMETER FOR LUMINESCENCE
INVESTIGATIONS.
BY GEAKE J F
LUMB M D
DDC NUMBER 401091
INSTRUMENT AF 61<052>00379
PROJ/TASK 8602 01

AFCL 63 732
OSLO U NORWAY
A QUALITATIVE STUDY OF THE VERTICAL CIRCULATION IN FRONTAL
ZONES, 25 JUN 1963.
BY TODSEN M
INSTRUMENT AF 61<052>00525
PROJ/TASK 864186411

AFCL 63 733
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
RADAR-ECHO RATE FROM SHOWER METEORS, PART II, RANGE
DISTRIBUTION, JUL 1963.
BY CONSORTINI A
DI LANGER M F
INSTRUMENT AF 61<052>00592
PROJ/TASK 5631 02

AFCL 63 735
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
OPTICAL PHYSICS LAB L G HANSCOM FIELD MASS
MOIRE FRINGE MEASURING SYSTEM FOR FAR INFRARED
INTERFEROMETRIC SPECTROMETER, OCT 1963.
BY LOEWENSTEIN E V
PROJ/TASK 8603 03

AFCL 63 737
ILLINOIS U URBANA
STUDIES IN ELECTROMAGNETIC WAVE INTERACTION TECHNIQUES,
31 JAN 1964.
BY RAO K V N
GOLDSTEIN L
INSTRUMENT AF 19<604>03481
PROJ/TASK 8654 02

AFCL 63 738
TEXAS U AUSTIN
BOUNDARY-LAYER WIND MAXIMA AND ASSOCIATED TEMPERATURE
DISTRIBUTIONS AS OBSERVED ON THE 1400-FOOT TELEVISION
TOWER NEAR DALLAS, TEXAS 1961-1962, 1 OCT 1963.
BY JFHN F H
DURIF S J
INSTRUMENT AF 19<628>02459
PROJ/TASK 7655 01

AFCL 63 742
LIEGE U BELGIUM
SCATTERING BY COMETARY PARTICLES, 1 OCT 1963.
BY SWINGS P
INSTRUMENT AF 61<052>00587
PROJ/TASK 860587005

AFCL 63 743
MANCHESTER U ENGLAND
LUNAR LUMINESCENCE INVESTIGATIONS, JUN 1963.
BY GRAINGER J F
INSTRUMENT AF 61<052>01178
PROJ/TASK 8602 01

AFCL 63 744
MANCHESTER U ENGLAND
DEVELOPMENT OF THE LUNAR TOPOGRAPHY INTO SPHERICAL
HARMONICS, 1 JUN 1963.
BY GOUDAS C L
INSTRUMENT AF 61<052>00524
PROJ/TASK 8654 01

AFCL 63 745
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY
THE ROCKET RANGE AT ANDOVA, JUN 1963.
BY LANDMARK R
INSTRUMENT AF 61<052>00599
PROJ/TASK 8653

AFCL 63 746
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY
A DOPPLER TRACKING SYSTEM FOR SMALL ROCKET TRAJECTORIES,
JUN 1963.
BY RUFLLAND R
INSTRUMENT AF 61<052>00599
PROJ/TASK 8653

AFCL 63 747
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY
SOME EXPERIMENTAL STUDIES OF THE IONOSPHERIC D-REGION AT
HIGH LATITUDES, 31 JUL 1963.
BY HOLT O
INSTRUMENT AF 61<052>00599
PROJ/TASK 8653

AFCL 63 748
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY
EXPERIMENTAL STUDIES OF THE ARCTIC D-REGION, JUN 1963.
BY LANDMARK R
INSTRUMENT AF 61<052>00599
PROJ/TASK 8653

AFCL 63 754
OSLO U NORWAY
HYDROGEN LINES IN AURORAL GLOW, 1962.
BY OHMOLT A
STOFFERGEN W
DFRBLUM H
INSTRUMENT AF 61<052>00252
PROJ/TASK 766176612

AFCL 63 755
OSLO U NORWAY
A STUDY OF THE AURORAL OI FEATURE AT 8446 A, 1962.
BY HARANG L
INSTRUMENT AF 61<052>00252
PROJ/TASK 766176612

AFRL 63 756
OSLO U NORWAY
THE DISCHARGE THEORY OF THE NIGHTGLOW EMISSION COI> A
5577, 1962.
BY OMMOLT A
INSTRUMENT AF 6105200292
PROJ/TASK 766176612

AFRL 63 757
WALES U COLL ABERYSTWYTH
SPECTROSCOPIC STUDIES - PART I. THE INFRARED SPECTRUM
AND STRUCTURE OF SODIUM NITROMETHANE, 30 AUG 1963.
BY YARWOOD J
ORVILLE-THOMAS W J
INSTRUMENT AF 6105200691
PROJ/TASK 8603 03

AFRL 63 758
WALES U COLL ABERYSTWYTH
SPECTROSCOPIC STUDIES - PART II. THE INFRARED SPECTRA
AND STRUCTURE OF METHOXYACETONITRILE AND METHYL-
CHLOROMETHYLETHER, 30 AUG 1963.
BY JONES R G
ORVILLE-THOMAS W J
INSTRUMENT AF 6105200691
PROJ/TASK 8603 03

AFRL 63 759
MANCHESTER U ENGLAND
LABORATORY SIMULATION OF LUNAR LUMINESCENCE, AUG 1963.
BY GAFF J F
LUMB M D
DERHAM J
INSTRUMENT AF 6105200379
PROJ/TASK 8602 01

AFRL 63 760
CENTRALE METEOROLOGICA SVIZZERA LOCARNO-MONTE SWITZERLAND
ON THE BACKSCATTERING OF MIXTURES OF ICE AND WATER, SEP
1963.
BY JOSS J
LIST R
INSTRUMENT AF 6105200559

AFRL 63 761
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AFROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
EVALUATION OF A VARACTOR DIODE PARAMETRIC AMPLIFIER FOR
RAWIN SET AN/AGM-2, SEP 1963.
BY POCS K
PROJ/TASK 6682 01

AFRL 63 768
OSLO U NORWAY
HIGH-RESOLUTION SPECTROMETRY OF ENHANCED SOLAR RADIO
EMISSION, 1961.
ASTROPHYS NORVEGICA B 5
BY FLGAREY O
INSTRUMENT AF 6105200186
PROJ/TASK 7649 04

AFRL 63 769
OSLO U NORWAY
OSCILLATION BROADENING OF LINES FROM IONIZED ELEMENTS IN
CELLAR SPECTRA, 1961
ASTROPHYS NORVEGICA B 1
BY FRIKSEN G
INSTRUMENT AF 6105200186
PROJ/TASK 7649 04

AFRL 63 770
OSLO U NORWAY
SEULAR VARIATIONS IN SHORT-LIVED SUNSPOTS, 1962
ASTROPHYS NORVEGICA B 1
BY RINGNES T S
INSTRUMENT AF 6105200186
PROJ/TASK 7649 04

AFRL 63 771
OSLO U NORWAY
DISPERSION RELATIONS IN A FULLY IONIZED HYDROGEN PLASMA,
1963.
PROC INTERN CONF IONIZATION PHENOMENA GASES 4TH MUNICH 1961
BY WYLLER A A
INSTRUMENT AF 6105200186
PROJ/TASK 7649 04

AFRL 63 779
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
THE HYDROMAGNETIC WAVE TUBE, NOV 1963.
BY MURPHY R F
BRUCE M H
PROJ/TASK 56116107

AFRL 63 780
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
NEW SHEAR APPARATUS FOR TEMPERATURES OF 1000°C AND
PRESSURES OF 1000, NOV 1963.
BY RIECKER R F
SEIFERT R F
PROJ/TASK 8652 11

AFRL 63 787
CENTRO DI STUDIO PER LA FISICA MICROONDE
FLORENCE ITALY
RESEARCH ON METEOR TRAIL RECORDS, SEP 1963.
BY CARRARA N
CHECCACCI P F
CONSONTINI A
DE LANGER M F
RONCHI L
INSTRUMENT AF 6105200592
PROJ/TASK 5631 02

AFRL 63 790
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
SEISMIC MODEL IMPACTOR, NOV 1963.
BY THOMSON J C
MILL J A
PROJ/TASK 8652 10

AFRL 63 800
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
PHOTOCHEMICAL AND SPECTRAL PROPERTIES OF CHLOROPHYLLIN,
MAY 1963.
BY OSTER G
MELLEN J S
BROYDE S R
INSTRUMENT AF 19062800475
PROJ/TASK 6694 05

AFRL 63 801
TECHNISCHE HOCHSCHULE DARMSTADT WEST GERMANY
THE EFFECT OF DEFORMATION IN THE WIND FIELD ON THE LARGE-
SCALE HORIZONTAL DISPERSION OF CLUSTERS IN THE ATMOSPHERE,
30 APR 1963.
BY DJURIC D
DDC NUMBER 411501
INSTRUMENT AF 6105200366
PROJ/TASK 860486043

AFRL 63 802
GERMAN WEATHER SERVICE OFFENBACH WEST GERMANY
TESTS ON NUMERICAL STABILITY OF THE PRIMITIVE EQUATIONS
USING THE FLIASEN-GRID, 31 MAR 1963.
BY REISER H
DDC NUMBER 411447
INSTRUMENT AF 6105200374
PROJ/TASK 7673

AFRL 63 803
HAWAII U HONOLULU
RESEARCH ON THE METEOROLOGY OF THE TROPICAL PACIFIC AND
ITS APPLICATIONS, JUN 1963.
BY LAVOIE R L
DDC NUMBER 414834
INSTRUMENT AF 190604007274
PROJ/TASK 8641 15

AFRL 63 804
ALLIED RESEARCH ASSOC INC CONCORD MASS
METEOROLOGICAL SATELLITE SYSTEM ANALYSES, 30 JUN 1963.
BY HUANG T S
MERRITT F S
GLASER A
DDC NUMBER 411378
INSTRUMENT AF 190604005580
PROJ/TASK 669866981

AFRL 63 805
STANFORD U CALIF
RADAR DETECTION OF IONIZED NITRIC OXIDE IN THE LOWER
IONOSPHERE, APR 1963.
BY COLIN L
RHOEN A A
KHELMAN V R
DDC NUMBER 414362
INSTRUMENT AF 19060400213
PROJ/TASK 8651

AFRL 63 806
UTAH STATE U LOGAN
OPTICAL RADIATION FROM MISSILE AIR FLOW FIELDS CO> 1 JAN
1963. SECRET.
BY BAKER D J
WOFFINDEN D S
DDC NUMBER 340260
INSTRUMENT AF 190604007424
PROJ/TASK 490449042

AFRL 63 807
STANFORD U CALIF
ON THE POWER SCATTERED FROM DENSITY FLUCTUATIONS IN A
PLASMA, JUN 1963.
BY MOORCRAFT D R
DDC NUMBER 414304
INSTRUMENT AF 190604007436
INSTRUMENT AF 19062800233
PROJ/TASK 5629 01

AFRL 63 808
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY
LONG-RANGE PROPAGATION STUDIES.
BY FOLVSTAD K
DDC NUMBER 418333
INSTRUMENT AF 61052002610
PROJ/TASK 460366102

AFRL 63 809
CALIFORNIA U LOS ANGELES
PHOTOELECTRIC SKYLIGHT POLARIMETER, JUN 1963.
BY BAO C R N
SPEERA Z
DDC NUMBER 413326
INSTRUMENT AF 190604008080
PROJ/TASK 7621 03

AFRL 63 811
ASTRONETIC RESEARCH INC NASHUA N H
MODEL AIRWAY COLLECTOR PIAS GENERATOR
BY PARKER G
DDC NUMBER 413882
INSTRUMENT AF 190628007420
PROJ/TASK 8417 01

AFRL 63 812
SPERRY RAND CORP SPERRY GYROSCOPE CO GREAT NECK N Y
METHODS OF DETERMINING TRANSITION PROBABILITIES AND
LEVEL POPULATION DENSITIES BY SELF-ABSORPTION OF
RADIATION, JUN 1963.
BY BRISH S F
ROCHEVOA D P
INSTRUMENT AF 190628002924
PROJ/TASK 4645 02

AFRL 63 813
HAWAII U HONOLULU
AIR-EARTH INTERFACE CHARACTERISTICS AND THE ATMOSPHERIC
BOUNDARY LAYER, JUL 1963.
BY ESTOQUI M A
YEE W S
DDC NUMBER 416275
INSTRUMENT AF 190604007444
PROJ/TASK 7655 01

AFRL 63 814
NORTHEASTERN U BOSTON MASS
A HIGHLY VERSATILE TELEMETRY DATA ACQUISITION SYSTEM,
30 JUN 1963.
BY WIRFN J
DDC NUMBER 416637
INSTRUMENT AF 19062800942
PROJ/TASK 7659 01

AFRL 63 815
TYCO LABS INC WALTHAM MASS
THE SURFACE BARRIER EFFECT IN PHOTOVOLTAIC CONVERSION,
MAY 1963.
BY RUPPRECHT G
DDC NUMBER 413144
INSTRUMENT AF 190604008114
PROJ/TASK 6642 03

APCRL 63 817
PENNSYLVANIA STATE U UNIVERSITY PARK
SOME FEATURES OF THE F-REGION ELECTRON DENSITY AND HEIGHT
VARIATIONS IN THE EQUATORIAL REGIONS, 1 SEP 1963.
BY SOMAYAJI, U V V DDC NUMBER 414516
INSTRUMENT AF 19C604>04563
PROJ/TASK 8605 02

APCRL 63 818
POLAROID CORP CAMBRIDGE MASS
THEORETICAL STUDIES OF INFRARED TARGET DETECTION PROBLEMS,
8 JUL 1963.
BY JONES R C INSTRUMENT AF 19C604>03903
PROJ/TASK 767076703

APCRL 63 819
HARVARD U CAMBRIDGE MASS
A PERTURBATION METHOD FOR NON-GRAY STELLAR ATMOSPHERES,
JUN 1963.
ASTROPHYS J 137 3 APR 1963
BY KROOK W DDC NUMBER 418077
INSTRUMENT AF 19C604>04545
PROJ/TASK 863586352

APCRL 63 820
CALIFORNIA RESEARCH CORP LA HABRA CALIF
THE EFFECT OF SOURCE DEPTH ON RAYLEIGH WAVES, 1 JUL 1963.
BY HAKFR W L DDC NUMBER 415946
INSTRUMENT AF 19C604>08344
PROJ/TASK 8652 06

APCRL 63 821
NORTHWESTERN U BOSTON MASS
DATA TRANSMISSION AND TRAJECTORY DETERMINING DEVICES FOR
RESEARCH ROCKETS AND SATELLITES, 30 JUN 1963.
BY ROCHEFORT J S DDC NUMBER 416073
O'CONNOR L J INSTRUMENT AF 19C604>03506
PRICE C M JR PROJ/TASK 7659 01
SIMYS R

APCRL 63 822
RASPL U SWITZERLAND
ANALYSIS OF THE SPECTRUM OF THE NITRO OXIDE MOLECULE, MAY
1963.
BY MIESCHER F DDC NUMBER 413003
INSTRUMENT AF-EOAR -0019- 1
PROJ/TASK 860866872

APCRL 63 823
OSLO U NORWAY
ON NUMERICAL INTEGRATION OF CERTAIN PARTIAL DIFFERENTIAL
EQUATIONS BY MEANS OF THE SO-CALLED IMPROVED EULER-Cauchy METHOD.,
27 APR 1963.
BY FLIASSFN A DDC NUMBER 411987
INSTRUMENT AF 61C052>00525
PROJ/TASK 864186415

APCRL 63 824
ANKARA U TURKEY
RESEARCH ON METEORIC DUST FALLOUT-1 MAY 1962, 30 APR 1963
BY KREIKEN F A DDC NUMBER 413016
INSTRUMENT AF 61C052>00624
PROJ/TASK 869466947

APCRL 63 825
CATHOLIC U OF AMERICA WASHINGTON D C
LINE SHAPE IN THE WING BEYOND THE BAND HEAD OF THE 4-3 μ
BAND OF CO₂, 1 JUN 1963.
BY WINTERS B DDC NUMBER 418020
INSTRUMENT AF 19C604>05558
PROJ/TASK 7670 03

APCRL 63 826
STOCKHOLM U SWEDEN
RESEARCH IN NUMERICAL ANALYSIS AND FORECASTING, MAY 1963.
DDC NUMBER 413058
INSTRUMENT AF 61C052>00346
PROJ/TASK 862862800

APCRL 63 829
HARVARD U CAMBRIDGE MASS
THE TEMPERATURE DISTRIBUTION IN A STELLAR ATMOSPHERE, JUN
1963.
BY AVRETT F M DDC NUMBER 418072
KROOK W INSTRUMENT AF 19C604>04545
PROJ/TASK 863586352

APCRL 63 830
CHALMERS INST OF TECH GOTHENBURG SWEDEN
DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA, 10.
NONLINEAR INTERACTION BETWEEN AN OBLIQUELY INCIDENT PLANE
ELECTROMAGNETIC WAVE AND AN ELECTRON BEAM, 1 APR 1963.
BY WILHELMSSON K H B DDC NUMBER 415173
INSTRUMENT AF 61C052>00651
PROJ/TASK 5561 01

APCRL 63 831
DENMARK TECHNICAL U COPENHAGEN
WHISTLER AND VLF - EMISSIONS FROM SALTOLM-DENMARK,
MAR 1963.
BY JACKFROTT I M INSTRUMENT AF 61C052>00652
TAAGHOLT J PROJ/TASK 7663 06
UNGSTRUP F

APCRL 63 832
PARIS U FRANCE
RESEARCH ON BASIC FAR INFRARED TECHNIQUES, 15 JAN 1963.
BY LECONTY J DDC NUMBER 412643
HADRI A INSTRUMENT AF 61C052>00137
PROJ/TASK 8603 01

APCRL 63 836
PENNSYLVANIA STATE U UNIVERSITY PARK
THE IONOSPHERIC CONDITIONS, 10 SEP 1963.
BY NICOLET M DDC NUMBER 417236
SWIDER W JR INSTRUMENT AF 19C604>04563
PROJ/TASK 8605 02

APCRL 63 839
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
A RE-EXAMINATION OF LORD RAYLEIGH'S DATA ON THE AIRGLOW
5577 A OI EMISSION, JUN 1963.
BY FERNANDEZ G J DDC NUMBER 416296
SILVERMAN S M PROJ/TASK 8627

APCRL 63 836
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AFROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
MESOSPHERIC WINDS FROM 23 SUCCESSIVE HOURLY SOUNDINGS,
JUL 1963.
BY LENHARD R W JR DDC NUMBER 417441
WRIGHT J R PROJ/TASK 6683 03

APCRL 63 837
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
THE DESIGN AND CONSTRUCTION OF A LUMINOUS SHOCK TUBE FOR
SPECTROSCOPIC INVESTIGATIONS OF HIGH-TEMPERATURE CASES,
PRELIMINARY RESULTS FOR SOME ELEMENTS OF ASTROPHYSICAL
INTEREST, JAN 1963.
BY RYARD P L INSTRUMENT AF 19C604>04055
ROLL R F PROJ/TASK 668366840
SLYTERAK A PROJ/TASK 767076701
PROJ/TASK 767476747
PROJ/TASK 860386031
PROJ/TASK 863586352

APCRL 63 838
CALIFORNIA RESEARCH CORP LA HABRA CALIF
APPLICATION OF EXACT RAY THEORY
TO LAYERED ELASTIC
SYSTEMS, 1 JUL 1963.
BY SPENCER T W DDC NUMBER 415692
INSTRUMENT AF 19C604>08344
PROJ/TASK 8652 06

APCRL 63 839
RTINA FOUNDATION BOSTON MASS
STUDIES OF CERTAIN BIOLOGICALLY IMPORTANT POLYANION-
ORGANIC CATION COMPLEXES AS ENERGY TRANSFER SYSTEMS,
30 APR 1963.
BY BALAZS F A INSTRUMENT AF 19C604>08476
SCHUFF D S PROJ/TASK 4769

APCRL 63 840
MCGILL U MONTREAL P Q CANADA
KINETIC DIVERGENCE AND LARGE-SCALE ENERGY CONVERSION
1 JUL 1963.
BY EDDY A INSTRUMENT AF 19C604>08431
PROJ/TASK 7690 01
PROJ/TASK 8604

APCRL 63 841
BENDIX CORP BALTIMORE MD
CONTINUATION OF THE DEVELOPMENT OF THE AN/DMS-9
ROCKETSONDE, JUL 1963.
BY KIDD V W INSTRUMENT AF 19C628>01655
PROJ/TASK 8670 04

APCRL 63 842
RADIO CORP OF AMERICA BURLINGTON MASS
GRAVITATIONAL CONSTANT STUDY, 30 JUN 1963.
BY MARK R DDC NUMBER 418327
MASON J INSTRUMENT AF 19C628>01616
NEILMAN M PROJ/TASK 8607 01

APCRL 63 843
ALLIED RESEARCH ASSOC INC CONCORD MASS
ANALYSES IN THE FIELD OF SATELLITE METEOROLOGY, 31 JUL
1963.
INSTRUMENT AF 19C628>00120
PROJ/TASK 7659 01

APCRL 63 844
PENNSYLVANIA STATE U UNIVERSITY PARK
SOLAR RADIOFLUX AND UPPER-ATMOSPHERE TEMPERATURE, 1 OCT
1963.
BY NICOLET M DDC NUMBER 417461
INSTRUMENT AF 19C604>04563
PROJ/TASK 8605 01
PROJ/TASK 8653

APCRL 63 845
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AFROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
ERROR ANALYSIS OF THE MODIFIED HUMIDITY-TEMPERATURE
MEASURING SET, AN/TMO-11, AUG 1963.
BY LENHARD R W JR DDC NUMBER 416341
WELLS R D PROJ/TASK 4311

APCRL 63 846
LOWELL TECHNOLOGICAL INST RESEARCH FOUNDATION MASS
SUPPORT PROGRAM FOR FIELD MEASUREMENT OF MISSILE PLUMES
AND BACKGROUNDS, MAY 1963.
BY TURNER V D INSTRUMENT AF 19C604>08860
POWERS J F PROJ/TASK 490449040
RESLOW F C

APCRL 63 847
COLUMBIA U NEW YORK N Y
RELATIVE FACITATION OF SURFACE WAVES BY FATHOMETERS AND
UNDERGROUND EXPLOSIONS IN THE CALIFORNIA-NEVADA REGION,
JUN 1963.
J GEOPHYS RES 68 11 JUN 1963
BY BRINE J INSTRUMENT AF 19C604>07376
SPINOSA A PROJ/TASK 8652 01
OLIVER J

AFRL 63 866
GENERAL ELECTRIC CO KING OF PRUSSIA PA
THE CHEMICAL KINETICS OF ATMOSPHERIC DEIONIZATION, MAR
1963.
BY BORTNER W H DDC NUMBER 417113
INSTRUMENT AF 19C604>08820
PROJ/TASK 86518632

AFRL 63 869
FAIRCHILD II CONN
AN ATTEMPT TO ISOLATE α -HDI, RADICAL REACTIONS IN THE
PHOTOCHEMICAL DECOMPOSITION OF ACETONE, DIMETHYL MERCURY,
N-PROPYL IODINE AND ISO-PROPYL IODIDE, 14 AUG 1963.
BY VARNERIN P F INSTRUMENT AF 19C604>08806
PROJ/TASK 8674 01

AFRL 63 860
MICHIGAN II ANN ARBOR
NEAR AND TELESEISMIC MEASUREMENTS OF EARTHQUAKES IN
FOREIGN COUNTRIES, AUG 1963.
BY DE NOYER J W WILLIS D F WILSON J T
INSTRUMENT AF 19C604>08809
PROJ/TASK 8652 07

AFRL 63 852
WOLF RESEARCH AND DEVELOPMENT CORP WEST CONCORD MASS
INVESTIGATION OF SPACE PROBE DATA CONDITIONING AND
BY BRZEZINSKI D P DDC NUMBER 415945
CONN J INSTRUMENT AF 19C628>01611
MORRISON D PROJ/TASK 7652 05
SEXTON J

AFRL 63 851
BASEL II SWITZERLAND
ABSORPTION SPECTRUM OF THE NO MOLECULE, 1963.
HELV PHYS ACTA 36 3 257-268 1963
BY HURER K P MIESCHER P DDC NUMBER 416061
INSTRUMENT AF-FOAR -0019-61
PROJ/TASK 668866872

AFRL 63 854
OSLO II NORWAY
STUDIES IN AURORAL SPECTROSCOPY, 30 JUN 1963.
DDC NUMBER 415356
INSTRUMENT AF 61C052>00252
PROJ/TASK 766176612

AFRL 63 855
UPPSALA II SWEDEN
EXPERIMENTAL EVIDENCE OF A DIRECTIONAL EVENT DURING
THE COSMIC RAY STORM, MAY 1963.
BY TRONCOSO G L DDC NUMBER 415385
INSTRUMENT AF 61C052>00614
PROJ/TASK 8600 03

AFRL 63 856
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
VLF RADIO WAVE PROPAGATION AT HIGH LATITUDES, 25 JUN 1963.
BY ENGLAND A RIEDER W DDC NUMBER 415146
INSTRUMENT AF 61C052>00678
PROJ/TASK 4663 02

AFRL 63 857
WALES II COLL ABERYSTWYTH
FORCE CONSTANTS IN BORON TRIMALIDES, 10 JUN 1963.
BY LADD J A ORVILLE-THOMAS W J COX R F
DDC NUMBER 418416
INSTRUMENT AF 61C052>00691
PROJ/TASK 8603 03

AFRL 63 858
WALES II COLL ABERYSTWYTH
INFRARED DISPERSION STUDIES, PART 1, DICHLORO, DIATOMO
DIFLUOROMETHANE, 10 JUN 1963.
BY RICHARD W H ORVILLE-THOMAS W J
DDC NUMBER 418433
INSTRUMENT AF 61C052>00691
PROJ/TASK 8603 03

AFRL 63 859
WALES II COLL ABERYSTWYTH
VIBRATIONAL FREQUENCIES AND ELECTRONEGATIVITIES, 10 JUN
1963.
BY JONES R G ORVILLE-THOMAS W J
DDC NUMBER 418445
INSTRUMENT AF 61C052>00691
PROJ/TASK 8603 03

AFRL 63 860
STANFORD RESEARCH INST MENLO PARK CALIF
PRELIMINARY EXAMINATION OF DAYTIME RADIATION DATA FROM
TIROS III CLOUDY REGIONS, AUG 1963.
BY VIEZIE W DAVIS R A INSTRUMENT AF 19C628>02777
PROJ/TASK 6698 06

AFRL 63 861
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS METEOROLOGY LAB
L G HANSCOM FIELD MASS
AN ANALYSIS OF SOME WIND PROFILES IN THE ATMOSPHERIC
FRICTION LAYER, AUG 1963.
BY TAYLOR R J DDC NUMBER 418503
PROJ/TASK 7655 02

AFRL 63 864
OBSERVATOIRE DE PARIS MEUDON FRANCE
POLARIMETRIC OBSERVATIONS OF PLANETS AND SATELLITES, 10
JUN 1963.
BY DILLIUS A DDC NUMBER 415325
INSTRUMENT AF 61C052>00608
PROJ/TASK 8602 03

AFRL 63 865
INTERMOUNTAIN WEATHER INC SALT LAKE CITY UTAH
A STUDY OF THE PHYSICAL THERMODYNAMICAL AND DYNAMICAL
CAUSES OF LOW CEILINGS AND VISIBILITIES, JUN 1963
BY HALES J V ZIMKOWSKI W HENDERSON D
INSTRUMENT AF 19C604>07331
PROJ/TASK 864186411

AFRL 63 867
CAMAN AIRCRAFT CORP COLORADO SPRINGS COLO
ION-ION AND ELECTRON-ION RECOMBINATION, 1 AUG 1963.
BY MC DANIEL F W INSTRUMENT AF 19C628>02009
PROJ/TASK 767376731

AFRL 63 868
BERLIN FREE II WEST BERLIN WEST GERMANY
THE RELATIONSHIP BETWEEN TOTAL CLOUD AMOUNTS AND
OBJECTIVELY DEFINED SYNOPTIC PARAMETERS, 15 FEB 1963.
BY CLAUSE J R DDC NUMBER 415322
INSTRUMENT AF 61C052>00544

AFRL 63 869
KIRUNA GEOPHYSICAL OBSERVATORY SWEDEN
IONIZATION IN THE D-REGION DURING AURORAL BREAKUP EVENTS,
31 JUL 1963.
BY GUSTAFSSON G INSTRUMENT AF 61C052>00288
PROJ/TASK 8651

AFRL 63 871
BOSTON COLL CHESTNUT HILL MASS
DETERMINATION OF THE ORIENTATION OF THE AXIS OF A ROCKET
OR SATELLITE IN ITS TRAJECTORY OR ORBIT, 16 AUG 1963.
BY MARCOU R J INSTRUMENT AF 19C604>07304
PROJ/TASK 8653 02

AFRL 63 873
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
UPPER ATMOSPHERE PHYSICS LAB L G HANSCOM FIELD MASS
ATMOSPHERIC STRUCTURE AND ITS VARIATIONS IN THE LOWER
THERMOSPHERE, JUN 1963.
BY CHANDLER F S W DDC NUMBER 417201
PROJ/TASK 6690

AFRL 63 874
HARVARD II CAMBRIDGE MASS
THE RELATIVE POSITIONS OF SUNSPOTS AND FLARES, SEP 1963.
BY WOLRACH J G INSTRUMENT AF 19C604>0962
PROJ/TASK 7649 01

AFRL 63 876
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
TERRESTRIAL SCIENCES LAB L G HANSCOM FIELD MASS
A COMPENDIUM OF PAPERS IN THE FIELDS OF GEODESY AND
PLANETARY GEOMETRY PREPARED AT AFRL DURING 1962, AUG
1963.
BY WILLIAMS O W PROJ/TASK 7600
PROJ/TASK 8607
PROJ/TASK 8654

AFRL 63 878
COLUMBIA II NEW YORK N Y
PARTICULAR AGE OF THE TWO CREEKS FOREST RED, WISCONSIN,
JUN 1963.
RUELL GENL SOC AM 74 795-802 JUN 1963
BY HUNTER W C FARRAND W R INSTRUMENT AF 19C604>07442

AFRL 63 880
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
ON AN INVESTIGATION OF MECHANICS OF RAREFIED GASES, 10
JUL 1963.
BY DEFFERIS C L INSTRUMENT AF 61C052>00127
PROJ/TASK 7635 07

AFRL 63 881
ISRAEL INST OF TECH HAIFA
OBSERVATIONS ON NIGHT-SKY CREEKOV RADIATION IN EXTENSIVE
AIR SHOWERS, 15 MAY 1963.
BY KACHA H DDC NUMBER 418337
INSTRUMENT AF 61C052>00196
PROJ/TASK 860086001

AFRL 63 882
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
PROPAGATION OF A PULSE IN A FLUID SPHERE, 22 JUL 1963.
BY ALTERNAN Z KORNFIELD D DDC NUMBER 416423
INSTRUMENT AF 61C052>00509
PROJ/TASK 865285206

AFRL 63 883
NORWEGIAN METEOROLOGICAL INST OSLO NORWAY
LARGE-SCALE SPECTRAL ENERGY CHANGES IN BAROCLINIC MOTIONS,
BY FJORTOF R DDC NUMBER 416421
INSTRUMENT AF 61C052>00374
PROJ/TASK 6020 04

AFRL 63 884
BONN II WEST GERMANY
PHOTOCHEMICAL INVESTIGATIONS IN THE FAR ULTRAVIOLET, 14
MAY 1963.
BY GROTH W F INSTRUMENT AF-FOAR -0073-62

AFRL 63 884
AF OAR AIR FORCE CAMBRIDGE RESEARCH LABS
AFROSPACE INSTRUMENTATION LAB L G HANSCOM FIELD MASS
DETERMINATION OF PARACHUTE DESCENT TIMES AND IMPACT
LOCATIONS FOR HIGH ALTITUDE BALLOON PAYLOADS, AUG 1963.
BY WESS J PROJ/TASK 6665 06

AFRL 63 885
MCGILL II MONTREAL P Q CANADA
ICE TRANSPORT BETWEEN GREENLAND AND SPITZBERGEN AND ITS
CAUSES, JUL 1963.
BY WAINWRIGHT F INSTRUMENT AF 19C604>07415
PROJ/TASK 8623 03

AFCL 63 87A
 EPPLEY LAB INC NEWPORT R I
 AN EXAMINATION OF THE CHARACTERISTICS OF PYRHHELIOMETERS
 USED TO ESTABLISH STANDARD SCALES OF SOLAR RADIOMETRY
 AND THE DEVELOPMENT OF IMPROVED INSTRUMENTATION. 26 AUG
 1963.
 BY DRUMMOND A J INSTRUMENT AF 19<604>08339
 PROJ/TASK 521950865

AFCL 63 897
 ROYAL SWEDISH ACADEMY OF SCIENCES STOCKHOLM SWEDEN
 A SHORT DESCRIPTION OF THE AUROREAL PHOTOMETERS AT KIRUNA
 GEOPHYSICAL OBSERVATORY. 31 JUL 1963.
 BY GUNSTAFSSON G LUNDSTROM J-E INSTRUMENT AF 61<052>00288
 PROJ/TASK 8653

AFCL 63 898
 BRANDEIS U WALTHAM MASS
 SHOCK RELATIONS IN A DENSE HIGH TEMPERATURE GAS. 21 MAR
 1963.
 BY KANG I-J GOLDSTEIN J S INSTRUMENT AF 19<604>07283
 PROJ/TASK 8608 05

AFCL 63 899
 BRANDEIS U WALTHAM MASS
 SMALL AMPLITUDE WAVES AND SCREENING IN DENSE DEGENERATE
 PLASMA. 24 MAY 1963.
 BY GOLDSTEIN J S INSTRUMENT AF 19<604>07283
 PROJ/TASK 8608 05

AFCL 63 900
 TEXAS U AUSTIN
 SOLAR RADIATION OF 3.2MM DURING THE 20 JULY 1963 ECLIPSE.
 8 NOV 1963.
 BY TOLBERT C W KRAUSE L C STRAITON A W INSTRUMENT AF 19<628>01679
 PROJ/TASK 5629 02

AFCL 63 906
 MICHIGAN U ANN ARBOR
 RAINDROP-SIZE STUDIES. OCT 1963.
 BY DINGLE A N INSTRUMENT AF 19<628>00281
 PROJ/TASK 8620 02

AFCL 63 892
 WALES U CARDIFF
 OVERLAP INTEGRALS IN BLOCH ELECTRONS. 13 MAY 1963.
 BY ANTONCIC F LANDSBERG P T DDC NUMBER 418352
 INSTRUMENT AF 61<052>00664
 PROJ/TASK 4645 02

AFCL 63 894
 WFLPAR INC FALLS CHURCH VA
 ANALYSIS OF A MULTISENSOR SEISMIC ARRAY TECHNIQUE. 31 JUL
 1963.
 BY LINDSTROM L R DDC NUMBER 419179
 INSTRUMENT AF 19<628>00388
 PROJ/TASK 8652 07

AFCL 63 895
 WOLF RESEARCH AND DEVELOPMENT CORP WEST CONCORD MASS
 ATMOSPHERIC PERTURBATIONS ON NEARLY CIRCULAR SATELLITE
 ORBITS. 10 JUL 1963.
 BY OUELLETTE G A DDC NUMBER 418761
 INSTRUMENT AF 19<628>03258
 PROJ/TASK 5930 03

AFCL 63 896
 UTAH STATE U LOGAN
 LOGARITHMIC MULTICHANNEL RADIOMETER. 1 AUG 1963.
 BY BAKER D J WYATT C L INSTRUMENT AF 19<604>07423
 PROJ/TASK 490449040

E. Air Force Office of Scientific Research (AFOSR)

- AFOSR 83
THIOCOL CHEMICAL CORP DENVER CO
INFLUENCE OF IONS ON ROCKET COMBUSTION, FINAL REPORT,
MAR 10 1958 TO MAR 21, 1963
BY WOLFGANG H G DDC NUMBER 296015
DINMOCK T H INSTRUMENT AF 49C638D00305
PROJ/TASK 9752 01
- AFOSR 146
TEXAS U AUSTIN
THE REPRESSION/SENSITIZATION SCALE II, CONCURRENT AND
CONSTRUCT VALIDITY
J PERSONALITY 29 334/349 SEP 1961
BY BYRNE D INSTRUMENT AF 49C638D00460
PROJ/TASK 9778 02
- AFOSR 346
LAVAL U QUEBEC CANADA
HYPOTHALAMIC CONTROL OF ANTERIOR PITUITARY
COMPARATIVE ENDOCRINOLOGY VON EULER AND HELLER FDS
ACADEMIC PRESS N Y 1/24 1963
BY FORTIER C INSTRUMENT AF/AFOSR /0019/61
PROJ/TASK 9777 01
- AFOSR 366
MAUDSLEY HOSPITAL LONDON ENGLAND
NEW FACTORS CONNECTING METABOLIC AND ELECTRICAL EVENTS IN
CEREBRAL TISSUES
ULTRASTRUCTURE AND METABOLISM OF THE NERVOUS SYSTEM VXL
CHAPTER III PP49/56 1962 ASSOC FOR RESEARCH IN NERVOUS
AND MENTAL DISEASE
BY MCILWAIN H DDC NUMBER 400860
INSTRUMENT AF 61C052D00404
PROJ/TASK 9777 01
- AFOSR 557
OHIO STATE U COLUMBUS
THE SYNTHESIS OF 3/ETHYL/4/METHYLPHENOL AND 3/ISOPROPYL/4/
METHYLPHENOL FROM 3,4/DIMETHYLPHENOL VIA TRICHLOROMETHYL
INTERMEDIATE
J ORG CHEM 28 2804/2806 OCT 1963
BY NEWMAN M S DDC NUMBER 429295
BAYERLEIN F INSTRUMENT AF 49C638D00277
PROJ/TASK 9762 01
- AFOSR 841
BAYLOR U WACO TEX
IN VIVO BIOGENESIS OF THYROID HORMONE IN THE GUINEA PIG
CAN J BIOCHEM PHYSIOL 40 PP1661/1666 1962
BY SCHINDLER W J DDC NUMBER 407378
FORTIER C INSTRUMENT AF 49C638D00384
PROJ/TASK 9777
- AFOSR 944
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
PSYCHOPRODUCTIVE DISPLAY AS AN ORGANIZATIONAL TASK
AMER PSYCH 16 434/435 1961
BY WICK K F DDC NUMBER 429295
PPINSKY M B INSTRUMENT AF 49C638D00373
PROJ/TASK 9778 02
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PITTSBURGH U PA
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BY ROSENDRFF S DDC NUMBER 295923
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BY GILL S J DDC NUMBER 295967
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BY BITTER D W DDC NUMBER 295925
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BY HEDBERG E DDC NUMBER 408222
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BY WEYHANN R DDC NUMBER 406807
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BY WALLERSTEIN G DDC NUMBER 406809
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BY HAMILTON III W J DDC NUMBER 299899
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FORTIER C

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BIOLOGISTICS SPACE SYSTEMS SYM ANRL TOR 62/116 PP83/104
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INSTRUMENT AF 49<638>00947
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BY MCCANN S M DDC NUMBER 408074
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BY BOLLER M DDC NUMBER 284058
PARTHE F INSTRUMENT AF 49<638>01027
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PURDUE RESEARCH FOUNDATION LAFAYETTE IN.
THE STEREOCHEMISTRY OF THE NUCLEOPHILIC ADDITION OF P/
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BY TRUCE W F DDC NUMBER 413842
LEVY A J INSTRUMENT AF 49<638>00531
PROJ/TASK 9762 01

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MASSACHUSETTS U AMHERST
ON THE DYNAMIC LIGHT SCATTERING FROM POLYMER FILMS
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BY STEIN R S
DDC NUMBER 427956
INSTRUMENT AF/AFOSR /0028/61
PROJ/TASK 9760 03

AFOSR 2737
HARVARD U CAMBRIDGE MASS
INELASTIC ELECTRON SCATTERING FROM FLUCTUATIONS IN THE
NUCLEAR CHARGE DISTRIBUTION
ANN PHYS NY V21 PP47/71 JAN 1963
BY CZYZE W
GOTTFRIED K
DDC NUMBER 400862
INSTRUMENT AF 49<638>00589
PROJ/TASK 9751 01

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HARVARD U CAMBRIDGE MASS
THE DETERMINATION OF THE NUCLEAR PAIR CORRELATION FUNCTION
AND MOMENTUM DISTRIBUTION
ANN PHYS NY V21 PP29/46 JAN 1963
BY GOTTFRIED K
GLAUBER R J
DDC NUMBER 400861
INSTRUMENT AF 49<638>00589
PROJ/TASK 9751 01

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MASSACHUSETTS INST OF TECH CAMBRIDGE
MEASUREMENTS OF HELICAL FLOW OF A STRONG ELECTROLYTE WITH
AND WITHOUT A TRANSVERSE MAGNETIC FIELD
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BY ROEDERER L R
COVERT E E
DDC NUMBER 282377
INSTRUMENT AF 49<638>00900
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J ENGIN PSYCHOL V1 PP150/159
BY ADAMS J A
CREAMER L R
DDC NUMBER 406869
INSTRUMENT AF 49<638>00371
PROJ/TASK 9778 01

AFOSR 2860
OHIO STATE U RESEARCH FOUNDATION COLUMBUS
ALIENATION - LEARNING IN A HOSPITAL SETTING
AM SOCIOLOGICAL REV V27 PP772/782 DEC 1962
BY SPFFMAN M
ROTTER J B
DDC NUMBER 414295
INSTRUMENT AF 49<638>00741
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MINNESOTA U MINNEAPOLIS
EFFECT OF TUNGSTEN VI ON MOLYBDENUM VI / CATALYZED REDUCTIO
N WAVES OF CHLORATE, NITRATE AND PERCHLORATE
J ELECTROANAL CHEM V5 PP165/170 1963
BY KOLTHOFF I M
HODARA I
DDC NUMBER 408885
INSTRUMENT AF 49<638>00519
PROJ/TASK 976337030

AFOSR 2887
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NUCLEAR RNA CHANGES OF NERVE CELLS DURING A LEARNING
EXPERIMENT IN RATS
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BY NYDEN H
EYMAZI F
INSTRUMENT AF 61<052>00248
PROJ/TASK 9777 01

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KAROLINSKA INST STOCKHOLM SWEDEN
A MICRO X/RAY DIFFRACTION CAMERA FOR STUDIES OF ORIENTATION
TEXTURES AND SINGLE MICROCRYSTALS
J SCI INSTR V99 PP60/62 FEB 1962
BY GLAS J
DDC NUMBER 400069
INSTRUMENT AF 61<052>00396
PROJ/TASK 9777 01

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SOUTHERN CALIFORNIA U LOS ANGELES CALIF
SOAP FILMS AS A TOOL FOR THE STUDY OF COLLOIDAL STABILITY
REC TRAV CHEM V81 N9/10 PP890/897 SEP/OCT 1962
BY NYSELS K J
DDC NUMBER 400173
INSTRUMENT AF 49<638>00309
PROJ/TASK 9761 37610

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CARNEGIE INST OF TECH PITTSBURGH PA
PERCEPTUAL RESPONSES AS A FUNCTION OF THE SEQUENTIAL
PROPERTIES OF MULTIPLE VISUAL STIMULI
J EXP PSYCHOL V65 PP124/130 1963
BY KARN M W
GREGG L W
DDC NUMBER 414297
INSTRUMENT AF 49<638>00770
PROJ/TASK 9778 01

AFOSR 2924
MASSACHUSETTS U AMHERST
DYNAMIC BIREFRINGENCE OF HIGH POLYMERS II
J APPL PHYS 34 NO 1 80/89 JAN 1963
BY STEIN R S
ONOGI S
SASAGURI K
KEEY D
DDC NUMBER 277402
INSTRUMENT AF/AFOSR /0028/61
PROJ/TASK 9760 03

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PHYS REV V128 PP2078/2087 DEC 1962
BY VALSTYR E O
WANTON J P
MORRIS A M
DDC NUMBER 296209
INSTRUMENT AF 49<638>00803
PROJ/TASK 9761 03

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MARTIN MARIETTA COMP RIAS INC BALTIMORE MD
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OF REDUCTION AND OXIDATION OF CYTOCHROME C BY CHLOROPLASTS
PLANT PHYSIOL V98 PP276/279 MAY 1963
BY FINE R
MOCH G
COOPER B
DDC NUMBER 412440
INSTRUMENT AF 49<638>00947
PROJ/TASK 9777 01

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THE LUMINOSITIES AND COMPOSITIONS OF THE HIGH/GALACTIC/
LATITUDE SUPERGIANTS 89 MERCULIS AND MD 161796
ASTROPHYS J V157 PP248/279 JAN 1963
BY SEARLE L
SARGENT W L
JUGAKU J
DDC NUMBER 406808
INSTRUMENT AF 49<638>00021
PROJ/TASK 9776 01

AFOSR 3139
CALIFORNIA U BERKELEY
SUPERSONIC FLOW PAST WEDGES OF VARIABLE ANGLE
PROC US NAT CONG APP1 MECH 6TH PP1501/1913 AN SOC MECH
ENGRS 4 Y
BY MOLT M
YIM B
MASLACHED G L
DDC NUMBER 413747
INSTRUMENT AF/AFOSR /0277/62
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CALIFORNIA U BERKELEY
THE DESIGN OF PLANE AND AXISYMMETRIC NOZZLES BY THE METHOD
OF INTEGRAL RELATIONS
SYMP TRANSONICUM AACHEN GERMANY 1/7 SEPT 62
BY MOLT M
DDC NUMBER 288946
INSTRUMENT AF/AFOSR /0277/62
PROJ/TASK 9781 02

AFOSR 3204
CHICAGO U ILL
ON THE REVERSIBILITY OF ENVIRONMENTALLY INDUCED ALTERATIONS
IN ABSTRACT BIOLOGICAL SYSTEMS
BULL MATH BIOPHYS V25 PP41/50 1963
BY ROSEN R
DDC NUMBER 413695
INSTRUMENT AF 49<638>00917
PROJ/TASK 9777 01

AFOSR 3206
CHICAGO U ILL
CHURCH'S THESIS AND ITS RELATION TO THE CONCEPTS OF
REALIZABILITY IN BIOLOGY AND PHYSICS
BULL MATH BIOPHYS V24 PP375/393 1962
BY ROSEN R
DDC NUMBER 400859
INSTRUMENT AF 49<638>00917
PROJ/TASK 9777 01

AFOSR 3236
MINNESOTA U MINNEAPOLIS
NON/DIFFERENTIABILITY OF ABSOLUTE PROBABILITIES OF MARKOV
CHAINS
QUART J MATH OXFORD SER2 V13 PP252/254 1962
BY GREY S
DDC NUMBER 407898
INSTRUMENT AF/AFOSR /0171/62
PROJ/TASK 9749 02

AFOSR 3284
PENNSYLVANIA STATE U UNIVERSITY PARK
PROPERTIES OF HARMONIC FUNCTIONS OF THREE REAL VARIABLES
GIVEN BY BERGMAN/WHITTAKER OPERATORS
CANADIAN J MATH 15 157/168 1963
BY MITCHELL J M
DDC NUMBER 416531
INSTRUMENT AF 49<638>00826
PROJ/TASK 9749 02

AFOSR 3314
HARVARD U CAMBRIDGE MASS
THE THEOREM OF RIEMANN/ROCH FOR HIGH MULTIPLES OF AN
EFFECTIVE DIVISOR ON AN ALGEBRAIC SURFACE
ANN MATH V76 PP560/615 NOV 1962
BY ZARISKI O
INSTRUMENT AF 49<638>00494
PROJ/TASK 9749 02

AFOSR 3363
CARNEGIE INST OF TECH PITTSBURGH PA
ON AN INEQUALITY OF LYAPUNOV
STUDIES IN MATH ANAL - RELATED TOPICS CHAPTER 36 PP256/261
STANFORD UNIV PRESS 1962
BY NEMARI Z
DDC NUMBER 414029
INSTRUMENT AF 49<638>00227
PROJ/TASK 9749 02

AFOSR 3684
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
ON THE CURRENT COLLECTED BY A CHARGED CIRCULAR CYLINDER
IMMERSED IN A TWO/DIMENSIONAL RAREFIED PLASMA STREAM
PROC 3RD INTL SYMP ON RAREFIED GAS DYNAMICS PARIS
FRANCE II 65/91 1963
BY SNEYANA F O
INSTRUMENT AF 49<638>00831
PROJ/TASK 9783 01

AFOSR 3685
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
THE GENERALIZED VALIDITY OF THE BOLTZMANN EQUATION FOR
IONIZED GASES
PROC 3RD INTL SYMPOSIUM ON RAREFIED GAS DYNAMICS ACADEMIC
PRESS PARIS FRANCE I 75/93 1963
BY KOGA T
INSTRUMENT AF 49<638>00831
PROJ/TASK 9783 01

AFOSR 3688
SOUTHERN CALIFORNIA U LOS ANGELES CA IF
EXPERIMENTAL STUDY OF HYPERSONIC RAREFIED FLOW NEAR THE
LEADING EDGE OF A THIN FLAT PLATE
PROC 3RD INTL SYMP ON RAREFIED GAS DYNAMICS PARIS
FRANCE II 320/342 1963
BY CHUAN R L
WATFER S A
INSTRUMENT AF 49<638>00831
PROJ/TASK 9781 01

AFOSR 3718
AERONAUTICAL RESEARCH ASSOC OF PRINCETON INC N J
A NEW APPROACH TO NONEQUILIBRIUM STATISTICAL MECHANICS IN
GASES
PROC 3RD INTL SYMP ON RAREFIED GAS DYNAMICS PARIS
FRANCE I 102/114 1963
BY MCCURIE J E
SANDRI G
FRIEMAN E A
DDC NUMBER 287145
INSTRUMENT AF 49<638>01140
PROJ/TASK 9783 02

AFOSR 4001
STANFORD U CAL
A REVIEW AND EXTENSION OF SECOND/ORDER HYPERSONIC BOUNDARY
LAYER THEORY
PROC 3RD INTL SYMP ON RAREFIED GAS DYNAMICS PARIS
FRANCE 11 212/227 1963
BY VAN DYKE M
INSTRUMENT AF 49<638>00965
PROJ/TASK 9781 01

AFOSR 3978
PRINCETON U N J
HEAT TRANSFER IN A RAREFIED GAS BETWEEN PARALLEL PLATES AT
LARGE TEMPERATURE RATIOS
PROC 3RD INTL SYMP ON RAREFIED GAS DYNAMICS PARIS
FRANCE 1 209/224 1963
BY WILLIS D R
INSTRUMENT AF 49<638>00465
PROJ/TASK 9781 01

AFOSR 4000
WESTINGHOUSE ELECTRIC CORP WASHINGTON D C
DEVICE FOR ACCURATE REPOSITING OF AN X/RAY DIFFRACTION
GONIOMETER
THE REVIEW OF SCIENTIFIC INSTRUMENTS 34 NO 6 706/707
JUNF 1963
BY BOLLING G F
DDC NUMBER 290685
INSTRUMENT AF 49<638>01029
PROJ/TASK 9761 02

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BY ZIIFROW M J DDC NUMBER 417505
O'CONNOR J R INSTRUMENT AF 49<638>00756
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BY BAZLEY N W
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DDC NUMBER 417499
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BY RFL J F
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BY TRUBERT M
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SOUQUET J
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BY MELLINELL R A
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HERRMANN G
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BY ROBINSON D W
REEVES R R
DDC NUMBER 400395
INSTRUMENT AF 49<638>00468
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STRUCTURE OF LIQUID NITROGEN
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BY PINGS C J
DDC NUMBER 400074
INSTRUMENT AF/AFOSR /0141/62
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PAALMAN M H
DDC NUMBER 400075
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ORBITALS IN COMPOUNDS OF SECOND/ROW ELEMENTS. I. SF.
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BY CRAIG D P
ZAULL C
DDC NUMBER 400382
INSTRUMENT AF 61<052>00061
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COORDINATION KINETICS BY ION EXCHANGE
J PHYS CHEM 66 2214/2218 1962
BY MARGERUM D W
ZABIN R A
DDC NUMBER 400087
INSTRUMENT AF 49<638>00060
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SEMIXYLENOL ORANGE, A SENSITIVE REAGENT FOR ZIRCONIUM
J ANA CHEM 34 1299/1302 1962
BY OLSON D C
MARGERUM D W
DDC NUMBER 400389
INSTRUMENT AF 49<638>00060
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DDC NUMBER 400388
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BY CRAIG D P
ZAULL C
DDC NUMBER 400387
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INSTRUMENT AF 49<638>00228
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BY JURY F I
DDC NUMBER 400383
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ON THE PROPERTIES OF TRIMETHYL SILYL AZIDE
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BY CONNOLLY J W
HARRY G
INSTRUMENT AF 49<638>00927
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LIFETIME OF THE 26.8 KEV STATE OF 1129
PHYS LETS 3 59 DEC 1962
BY WARD M
GARRELL M H
WAFEMISTER D
DDC NUMBER 297149
INSTRUMENT AF 49<638>01048
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CARNEGIE INST OF TECH PITTSBURGH PA
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J APP PHYS 33 3149/3152 NOV 1962
BY LEVINSTEIN M J
ROBINSON W H
DDC NUMBER 297114
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BY SHAFI M
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DDC NUMBER 297257
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BY KAUFMAN A H
WATSON K M
DDC NUMBER 400385
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BY SAWICKI J
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DDC NUMBER 400451
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J MATH PHYS 3 519/524 AUG 1962
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DDC NUMBER 297258
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DDC NUMBER 297428
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BY HERSCH J
INSTRUMENT AF 49<638>00253
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INSTRUMENT AF 49<638>00877
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BY SCHWARTZ C
DDC NUMBER 297115
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WATSON K M INSTRUMENT AF/AFOSR /0121/62
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J APPL PHYS 31 684/686 APR 1960
BY BONFIGLIOLI G DDC NUMBER 297151
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BY HIRSCH A A DDC NUMBER 297276
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BY NAZAREWICZ W DDC NUMBER 297143
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BY BONFIGLIOLI G DDC NUMBER 297150
MALVANO R INSTRUMENT AF 61<514>01333
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BY RAMSEY T H DDC NUMBER 297117
STEINFINK M INSTRUMENT AF/AFOSR /0237/62
WEISS F J PROJ/TASK 9761 02

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BY OHMURA M DDC NUMBER 297042
OHMURA M INSTRUMENT AF/AFOSR /0412/62
PROJ/TASK 9751 02

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BY RINDQVIST S DDC NUMBER 297174
INSTRUMENT AF 61<052>00040
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BY EDE R DDC NUMBER 297148
REINFERT H INSTRUMENT AF 49<638>00947
PROJ/TASK 9777 01

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CREATIVE THINKING AND COMPUTING MACHINES IN OPTICAL DESIGN
J OPTICAL SOC AMER 52 172/176 FEB 1962
BY HOPKINS R F DDC NUMBER 297116
SPENCER G INSTRUMENT AF 49<638>00668
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J OPTICAL SOC AMER 52 389/396 APR 1962
BY HOPKINS R F DDC NUMBER 297252
INSTRUMENT AF 49<638>00668
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AFOSRJ 42
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BY SANDERS W T DDC NUMBER 297112
INSTRUMENT AF 49<638>00909
PROJ/TASK 9761 01

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BY COOPER M J DDC NUMBER 297113
INSTRUMENT AF 61<052>00050
PROJ/TASK 9761 03

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BY PEREIRA M M INSTRUMENT AF/AFOSR /0075/61
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AFOSRJ 45
MCMASTER U HAMILTON ONTARIO CANADA
ENERGY LOSS IN CONDENSED MATTER OF M1 AND M2 IN THE ENERGY
RANGE 4 LESS THAN E GREATER THAN 30 KEV
CANADIAN J OF PHYS 40 1749/1764 1962
BY VAN WIJGAARDEN A DDC NUMBER 297160
DUCKWORTH H E INSTRUMENT AF/AFOSR /0033/62
PROJ/TASK 9751 02

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ACTA METAL 2 43/56 JAN 1963
BY HERMAN M DDC NUMBER 297259
COHEN J B INSTRUMENT AF 49<638>00524
FINE M E PROJ/TASK 9761 03

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BY COHEN J DDC NUMBER 400093
SILVERMAN A J INSTRUMENT AF 49<638>00334
SHAWONIAN R M PROJ/TASK 9779 01

AFOSRJ 48
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THEORY OF FERMION LIQUID
PHYS REV 128 943/955 OCT 1962
BY WU F Y DDC NUMBER 400189
FEENBERG F INSTRUMENT AF/AFOSR /0412/62
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MANITOBA U WINNIPEG CANADA
MATRICES ASSOCIATED WITH THE HITCHCOCK PROBLEM
J ASSOC FOR COMPUTING MACH 9 409/410 OCT 1962
BY DULMAGE A L DDC NUMBER 400189
MENDELSONN N S INSTRUMENT AF/AFOSR /0235/62
PROJ/TASK 9749 02

AFOSRJ 50
MANITOBA U WINNIPEG CANADA
THE EXPONENT OF A PRIMITIVE MATRIX
CANADIAN MATH BUL 9 241/246 1962
BY DULMAGE A L DDC NUMBER 400189
MENDELSONN N S INSTRUMENT AF/AFOSR /0235/62
PROJ/TASK 9749 02

AFOSRJ 52
CALIFORNIA U RIVERSIDE
SPIT/WAVE CONTRIBUTION TO THE SPECIFIC HEAT OF EUS
PHYS REV LETS 376/377 NOV 1962
BY MC COLLUM D C DDC NUMBER 400390
INSTRUMENT AF/AFOSR /0070/61
PROJ/TASK 9763 02

AFOSRJ 54
PRINCETON U N J
TEMPERATURE GENERATED IN ALUMINUM RODS UNDERGOING TORSIONAL
OSCILLATIONS
J APPL PHYS 33 3100/3105 OCT 1962
BY DILLON O W DDC NUMBER 400391
INSTRUMENT AF/AFOSR /0204/62
PROJ/TASK 9702 01

AFOSRJ 55
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
LINEARIZED SWIRLING WAVES
PHYS FLUIDS 5 1027/1032 SEP 1962
BY STEIGER M M DDC NUMBER 400392
BLOOM M M INSTRUMENT AF 49<638>00445
PROJ/TASK 9781 01

AFOSRJ 56
BUREAU OF MINES BARTLESVILLE OKLA
COMBUSTION CALORIMETRY OF ORGANIC FLUORINE COMPOUNDS. THE
HEATS OF COMBUSTION AND FORMATION OF THE DIFLUOROBENZENES,
4-FLUOROTOLUENE AND N-TRIFLUOROTOLUIC ACID
J PHYS CHEM 55 1529/1532 AUG 1962
BY GOOD W D DDC NUMBER 400393
LACINA J L INSTRUMENT CSO /600/57/4
SCOTT D W PROJ/TASK 4759
MCCULLOUGH P

AFOSRJ 57
DELAWARE U NEWARK
RELATIONSHIP BETWEEN CERTAIN LATTICE SUMS AND THE MADELUNG
CONSTANT
J CHEM PHYS 37 681/682 19 AUG 1962
BY WOOD R H DDC NUMBER 400083
INSTRUMENT AF 49<638>01054
PROJ/TASK 9790 01

AFOSRJ 58
CAMBRIDGE U ENGLAND
THE LOGIC OF THE LOCALIZATION OF FUNCTION IN THE CENTRAL
NERVOUS SYSTEM
BIOL PROTOTYPES AND SYNTHETIC SYSTEMS PLENUM PRESS N Y
1 31/53 1962
BY GREGORY R L DDC NUMBER 400094
INSTRUMENT AF/EOAR /0013/61
PROJ/TASK 9778 01

AFOSRJ 59
CAMBRIDGE U ENGLAND
VISUAL ILLUSIONS IN SPACE
NEW SCIENTIST 15 446/449 1960
BY GREGORY R DDC NUMBER 400095
INSTRUMENT AF/EOAR /0013/61
PROJ/TASK 9778 01

AFOSRJ 60
CALIFORNIA INST OF TECH PASADENA
CORONAL EVAPORATION AS A POSSIBLE MECHANISM FOR MASS LOSS I
RED GIANTS
ASTROPHYSICAL J 132 380/403 SEP 1959
BY NEYMAN K DDC NUMBER 400376
INSTRUMENT AF 49<638>00021
PROJ/TASK 9774 01

AFOSRJ 61
STANFORD U CAL
A MODEL FOR THE SOURCES OF THE SLOWLY VARYING COMPONENT OF
MICROWAVE SOLAR RADIATION
ASTROPHYSICAL J 136 975/996 NOV 1962
BY KUKIYAMA T DDC NUMBER 400438
SRARUP G INSTRUMENT AF 18<603>00053
PROJ/TASK 9767 02

AFOSRJ 62
CALIFORNIA U BERKELEY
THE EMISSION, PULSE/LEVEL INVERSION, AND MODULATION OF
OPTICAL MASERS
ADV IN QUANTUM ELECT COLUMBIA PRESS 299/307 1961
BY SINGER J R INSTRUMENT AF 49<638>00102
WANG S PROJ/TASK 9767 02

AFOSRJ 63
CALIFORNIA U BERKELEY
STIFFNESS OF ELECTRON BEAMS
J ELECTRONICS AND CONTROL 10 365/373 MAY 1961
BY PALMER J L INSTRUMENT AF 49<638>00102
SUSSKIND C PROJ/TASK 9767 02

AFOSRJ 64
CALIFORNIA U BERKELEY
STIMULATED SPIN/ECHO MEASUREMENT OF CROSS-RELAXATION IN
NEUTRON-IRRADIATED CALCITE
PHYS REV LETS 6 271/275 MAR 1961
BY WAKLASS L K INSTRUMENT AF 49<638>00102
WAKABAYASHI J PROJ/TASK 9767 02

AFOSRJ 65
CALIFORNIA U BERKELEY
A NEW AUTOMATIC FREQUENCY REGULATION SYSTEM
IRE TRANS MTT 8 MAR 1960
BY SINGER J R INSTRUMENT AF 49<638>00102
PROJ/TASK 9767 02

AFOSRJ 66
HARVARD U CAMBRIDGE MASS
APPROXIMATION PAR LES FONCTIONS HOLOMORPHES BORNEES.
PROBLEME BETA
MATH PUR ET APPL 213/242 1961
BY WALSH J L INSTRUMENT AF/AFOSR /0198/62
PROJ/TASK 9749 02

AFOSRJ 67
OKLAHOMA U RESEARCH FOUNDATION NORMAN
COLLISIONAL EXCITATION TRANSFER TO THE 4 D STATE IN HELIUM
BY MULTIPLE STATE MECHANISM
PHYS REV 128 1749/1753 NOV 1962
BY LIN C C DDC NUMBER 400375
ST JOHN R H INSTRUMENT AF/AFOSR /3067/67
PROJ/TASK 9767 02

AFOSRJ 68
CALIFORNIA U BERKELEY
THIN FILM MAGNETIZATION ANALYSIS
PROC IRE 47 1237/1244 JULY 1959
BY CMU K INSTRUMENT AF 49<638>00102
SINGER J R PROJ/TASK 9767 02

AFOSRJ 70
YALE U NEW HAVEN CONN
FORBIDDEN HELIUM LINE IN A PLASMA SPECTRUM
J QUANT SPECTROSC RADIAT TRANSFER 1 46/52 1960
BY SADJIAN M DDC NUMBER 400452
WIMMEL H K INSTRUMENT AF 18<603>00015
MARGENEAU H PROJ/TASK 9767 01

AFOSRJ 71
YALE U NEW HAVEN CONN
SIMULTANEOUS EFFECT OF DOPPLER AND FOREIGN GAS BROADENING O
SPECTRAL LINES
PHYS REV 122 1218/1223 MAY 1961
BY GALTBY L DDC NUMBER 400453
INSTRUMENT AF 18<603>00015
PROJ/TASK 9767 01

AFOSRJ 72
ILLINOIS U URBANA
MYLAR ELECTRON BEAM WINDOWS
TRANS OF PROFESSIONAL GRP ON ELECTRON DEVICES 8 436/437
NOV 1961
BY STEIER W H DDC NUMBER 400466
INSTRUMENT AF 18<603>00062
PROJ/TASK 9767 02

AFOSRJ 73
ILLINOIS U URBANA
FEEDING RF POWER FROM A SELF-EXCITED, PULSED SOURCE INTO A
HIGH-Q RESONANT LOAD
IRE TRANSMICROWAVE THEORY TECHNIQUES 7 NO 3 391 JUL
1959
BY SPUMLER H A DDC NUMBER 400467
KENYON R J INSTRUMENT AF 18<603>00062
COLEMAN P D PROJ/TASK 9767 02

AFOSRJ 74
ILLINOIS U URBANA
FREQUENCY CONVERSION IN A MICROWAVE DISCHARGE
PROC OF IRE 49 1890/1900 DEC 1961
BY RAIRO J R DDC NUMBER 400468
COLEMAN P D INSTRUMENT AF 18<603>00062
PROJ/TASK 9767 02

AFOSRJ 75
STANFORD U CAL
PHOTOMIXING EXPERIMENTS WITH A RUBY OPTICAL MASER AND A
TRAVELING-WAVE MICROWAVE PHOTOTUBE
APPL OPTICS 1 51/53 JAN 1962
BY MCMURTRY B J DDC NUMBER 400084
STEGMAN A F INSTRUMENT AF 49<638>00660
PROJ/TASK 9767 02

AFOSRJ 76
ILLINOIS U URBANA
THE DIELECTRIC TUBE RESONATOR, A DEVICE FOR THE GENERATION
AND MEASUREMENT OF MILLIMETER AND SUBMILLIMETER WAVES
PROC SYMP ON MILLIMETER WAVES 18 191/222 MAR /APR 195
BY BACKER R C DDC NUMBER 400085
COLEMAN P D INSTRUMENT AF 18<603>00062
PROJ/TASK 9767 02

AFOSRJ 77
ILLINOIS U URBANA
ELECTRON BEAM EXCITATION OF A FABRY/PEROT INTERFEROMETER
J APPL PHYS 32 2055/2066 OCT 1961
BY SIRKIS M D DDC NUMBER 400386
STRAIN R J INSTRUMENT AF 18<603>00062
KUNZ W E PROJ/TASK 9767 02

AFOSRJ 78
ILLINOIS U URBANA
DIPOLE MAGNETODYNAMIC FERRITE MODES
J APPL PHYS 30 1456/1455 SEP 1959
BY STEIER W H DDC NUMBER 400394
COLEMAN P D INSTRUMENT AF 18<603>00062
PROJ/TASK 9767 02

AFOSRJ 79
ILLINOIS U URBANA
HIGH POWER GAS DISCHARGE FREQUENCY MULTIPLIER
PROC OF SYMP ON MILLIMETER WAVES 18 289/300 MAR /APR
1959
BY RAIRO J R INSTRUMENT AF 18<603>00062
COLEMAN P D PROJ/TASK 9767 02

AFOSRJ 80
GEORGETOWN U WASHINGTON D C
THEORETICAL VIBRATIONAL ENERGY LEVELS OF H2 ASSOCIATED WITH
VARIOUS COMBINATIONS OF MOLECULAR/ORBITAL CONFIGURATIONS
J OF CHEM PHYS 37 1418/1424 OCT 1962
BY LEFES G M DDC NUMBER 400461
INSTRUMENT AF/AFOSR /0160/62
PROJ/TASK 9767 01

AFOSRJ 81
STEVENS INST OF TECH HOBOKEN N J
EXPERIMENTAL STUDY OF RAYLEIGH/TAYLOR INSTABILITY IN PLASMA
PHYS OF FLUIDS 5 1048/1056 SEP 1962
BY DICKINSON M DDC NUMBER 400469
BOSTICK M W INSTRUMENT AF 49<638>00156
DINHARCO J N PROJ/TASK 9768
KOSLOV S

AFOSRJ 82
OXFORD U ENGLAND
DEPENDANCE OF POWER RADIATED ON BEAM CURRENT IN A MAGNETIC
UNDULATOR
J APPL PHYS 33 976/981 MAR 1962
BY MOTZ M INSTRUMENT AF/EOAR /0062/62
WALSH D PROJ/TASK 9767 02

AFOSRJ 86
 PARIS U FRANCE
 CRYSTALLOGRAPHY
 COMP RENDUS 295 319/321 JUL 1962
 BY LEVELUT M A
 LAMBERT M
 GUINIER M A
 DDC NUMBER 400096
 INSTRUMENT AF/AFOSR /0051/62
 PROJ/TASK 9761 03

AFOSRJ 85
 COLUMBIA U NEW YORK N Y
 DETECTION OF THE MICROWAVE V27/LINE OF MOLECULAR OXYGEN
 PRODUCED IN THE HIGH ATMOSPHERE
 NATURE 195 30/32 JUL 1962
 BY KAMAN W
 DDC NUMBER 400457
 INSTRUMENT AF/AFOSR /0050/62
 PROJ/TASK 9767 02

AFOSRJ 84
 COLUMBIA U NEW YORK N Y
 OPTICAL DOUBLE PHOTON ABSORPTION IN CESIUM VAPOR
 PHYS REV LTRS 9 453/455 DEC 1962
 BY ABELLA I D
 DDC NUMBER 400456
 INSTRUMENT AF/AFOSR /0049/62
 PROJ/TASK 9767

AFOSRJ 87
 COLUMBIA U NEW YORK N Y
 OPTICAL HARMONIC FREQUENCY RATIO MEASUREMENTS
 PROC OF IRE 90 AUG 1962
 BY ABELLA I D
 DDC NUMBER 400455
 INSTRUMENT AF/AFOSR /0049/62
 PROJ/TASK 9768

AFOSRJ 88
 GEORGIA INST OF TECH ATLANTA
 SOURCE OF THERMAL IONS FOR USE IN GASES AT HIGH PRESSURES
 REV OF SCIENTIFIC INSTRUMENTS 31 640 JUN 1960
 BY MCDANIEL E W
 MARTIN D W
 DDC NUMBER 400059
 INSTRUMENT AF 18<600>0192A
 PROJ/TASK 9767 02

AFOSRJ 89
 GEORGIA INST OF TECH ATLANTA
 ON THE POSSIBLE OCCURRENCE OF H-3 IN INTERSTELLAR SPACE
 ASTROPHYSICAL J 134 1012/1013 NOV 1961
 BY MARTIN D W
 MCDANIEL E W
 WEEKS M L
 DDC NUMBER 400067
 INSTRUMENT AF 49<630>0106A
 PROJ/TASK 9767 02

AFOSRJ 90
 CATHOLIC U OF AMERICA WASHINGTON D C
 LINE SHAPE OF ULTRAVIOLET ABSORPTION IN SOLID NOBLE GASES
 J OF CHEM PHYS 34 2078/2082 JUNE 1961
 BY MEIJER P M
 DDC NUMBER 400132
 INSTRUMENT AF 49<630>0045Z
 PROJ/TASK 9767 01

AFOSRJ 91
 CATHOLIC U OF AMERICA WASHINGTON D C
 RELAXATION PHENOMENA IN AN ISING SPIN SYSTEM
 J PHYS SOC OF JAPAN 17 78/80 1962
 BY TANAKA T
 MEIJER P M E
 DDC NUMBER 400133
 INSTRUMENT AF 49<63A>0045Z
 PROJ/TASK 9767 01

AFOSRJ 92
 CATHOLIC U OF AMERICA WASHINGTON D C
 DYNAMIC BEHAVIOR OF A SET OF WEAKLY COUPLED ISING SPINS
 J MATH PHYS 3 793/797 JULY / AUG 1962
 BY MEIJER P M
 TANAKA T
 BARRY J H
 DDC NUMBER 400099
 INSTRUMENT AF 49<630>0045Z
 PROJ/TASK 9767 01

AFOSRJ 93
 CATHOLIC U OF AMERICA WASHINGTON D C
 THEORY OF RELAXATION PHENOMENA NEAR THE SECOND/ORDER
 PHASE/TRANSITION POINT
 J OF CHEM PHYS 37 1397/1402 OCT 1962
 BY TANAKA T
 MEIJER P M E
 BARRY J H
 DDC NUMBER 400097
 INSTRUMENT AF 49<63A>0045Z
 PROJ/TASK 9767 01

AFOSRJ 94
 CALIFORNIA INST OF TECH PASADENA
 RADIANT ENERGY EMISSION FROM EXCITED HARMONIC OSCILLATORS
 J OF CHEM PHYS 32 617/618 FEB 1960
 BY PENNER S S
 DDC NUMBER 400064
 INSTRUMENT AF 18<603>0000Z
 PROJ/TASK 9767 02

AFOSRJ 96
 CALIFORNIA INST OF TECH PASADENA
 TEMPERATURE MEASUREMENTS ON THE OM2 SIGMA 211 BAND SYSTEM
 FOR A TRANSPARENT GAS IN A SHOCK TUBE
 J QUANT SPECTROSC RADIAT TRANSFER 2 301/303 JUNE 1961
 BY WATSON R
 DDC NUMBER 400061
 INSTRUMENT AF 49<630>0098A
 PROJ/TASK 9767 02

AFOSRJ 98
 CALIFORNIA INST OF TECH PASADENA
 A PRELIMINARY STUDY OF NEUTRAL TITANIUM EMISSION BEHIND
 REFLECTED SHOCK WAVES IN TICL4 /AR MIXTURES
 J QUANT SPECTROSC RADIAT TRANSFER 2 245/246
 NOV 1961
 BY SHACKLEFORD W L
 DDC NUMBER 400062
 INSTRUMENT AF 49<630>0098A
 PROJ/TASK 9767 02

AFOSRJ 99
 JOHNS HOPKINS U BALTIMORE MD
 EMISSION SPECTRA OF THE DOUBLY AND TRIPLY IONIZED RARE
 EARTHS
 J OPTICAL SOC OF AMER 51 820/827 AUG 1961
 BY DIEKE G H
 CROSSWHITE M M
 DUNN R
 DDC NUMBER 400063
 INSTRUMENT AF 49<630>0053S
 PROJ/TASK 9767 02

AFOSRJ 100
 JOHNS HOPKINS U BALTIMORE MD
 STRUCTURE OF FN CONFIGURATIONS. II. F5 AND F9 CONFIGURATION
 J OF CHEM PHYS 36 2301/2311 MAY 1962
 BY WYBOURNE B G
 DDC NUMBER 400169
 INSTRUMENT AF 49<630>0053S
 PROJ/TASK 9767 02

AFOSRJ 101
 JOHNS HOPKINS U BALTIMORE MD
 STRUCTURE OF FN CONFIGURATIONS. I. CALCULATION OF THE ENERGY
 LEVELS
 J CHEM PHYS 36 2293/2300 MAY 1962
 BY WYBOURNE B G
 DDC NUMBER 400129
 INSTRUMENT AF 49<630>0053S
 PROJ/TASK 9767 02

AFOSRJ 102
 JOHNS HOPKINS U BALTIMORE MD
 INTENSITIES OF CRYSTAL SPECTRA OF RARE/EARTH IONS
 J OF CHEM PHYS 37 911/920 AUG 1962
 BY OFELY G S
 DDC NUMBER 400174
 INSTRUMENT AF 49<630>0053S
 PROJ/TASK 9767 02

AFOSRJ 103
 JOHNS HOPKINS U BALTIMORE MD
 TIME/RESOLVED SPECTRA OF RARE/EARTH IONS
 J OPTICAL SOC OF AMER 52 649/655
 BY MOVIS W A
 DDC NUMBER 400070
 INSTRUMENT AF 49<630>0053S
 PROJ/TASK 9767 02

AFOSRJ 104
 WAYNE STATE U DETROIT MICH
 ENERGY GAP AND CRITICAL FIELD OF SUPERCONDUCTING MOLYBDENUM
 OBTAINED BY ULTRASONIC MEASUREMENTS
 PHYS REV LTRS 9 313/314 OCT 1962
 BY MORWITZ M H
 BOMH M V
 DDC NUMBER 400454
 INSTRUMENT AF/AFOSR /0379/62
 PROJ/TASK 9761 03

AFOSRJ 105
 CALIFORNIA U LA JOLLA
 ENHANCEMENT OF HYDRODYNAMIC STABILITY BY MODULATIONS
 PHYS REV LTRS 9 363/365 NOV 1962
 BY DONNELLY R J
 REIF F
 SUML M
 DDC NUMBER 400465
 INSTRUMENT AF 49<630>0103B
 PROJ/TASK 9761 01

AFOSRJ 106
 MCMASTER U HAMILTON ONTARIO CANADA
 CORROSION OF IRON/BACE ALLOYS AT HIGH TEMPERATURES
 CANADIAN MINING METALLURGICAL BUL 63 367/372 1962
 BY SHELTER W W
 DDC NUMBER 400425
 INSTRUMENT AF/AFOSR /0108/61
 PROJ/TASK 9763 01

AFOSRJ 107
 WESTERN ONTARIO U LONDON CANADA
 ALLOWED TRANSITIONS
 ATOMIC AND MOLECULAR PROCESSES ACADEMIC PRESS INC
 N Y C 1962
 BY NICHOLLS R W
 STEWART A L
 DDC NUMBER 400463
 INSTRUMENT AF/AFOSR /0088/61
 PROJ/TASK 9767 02

AFOSRJ 108
 WESTERN ONTARIO U LONDON CANADA
 THE 12763 A 60.96 BAND OF THE O2 SCHUMANN/RUNGE SYSTEM
 J ATMOSPHERIC AND TERRESTRIAL PHYS 21 213/215 1961
 BY NICHOLLS R W
 DDC NUMBER 400464
 INSTRUMENT AF 49<630>00640
 PROJ/TASK 9767 02

AFOSRJ 109
 WESTERN ONTARIO U LONDON CANADA
 D/WAVE CONTRIBUTION TO ELECTRON/HYDROGEN ATOM SCATTERING
 CANADIAN J PHYS 38 317/320 1960
 BY MCEACHAN R P
 FRASER P A
 DDC NUMBER 400184
 INSTRUMENT AF 49<630>00640
 PROJ/TASK 9767 02

AFOSRJ 110
 WESTERN ONTARIO U LONDON CANADA
 FRANCK/CONDON FACTORS AND R/CENTROIDS FOR SOME BANDS OF THE
 SiO A1 11/X1 SIGMA - BAND SYSTEM
 CANADIAN J PHYS 39 1215/1216 1961
 BY MCGREGOR A T
 NICHOLLS R W
 JARMAIN W R
 DDC NUMBER 400185
 INSTRUMENT AF 49<630>00640
 PROJ/TASK 9767 02

AFOSRJ 111
 WESTERN ONTARIO U LONDON CANADA
 FRANCK/CONDON FACTORS AND R/CENTROIDS TO HIGH QUANTUM
 NUMBERS FOR BANDS OF THE 2112/A211U SYSTEM OF N-2
 CANADIAN J PHYS 40 523/527 1962
 BY NICHOLLS R W
 DDC NUMBER 400183
 INSTRUMENT AF/AFOSR /0088/61
 PROJ/TASK 9767 02

AFOSRJ 112
 WESTERN ONTARIO U LONDON CANADA
 FRANCK/CONDON FACTORS AND R/CENTROIDS FOR SOME BANDS OF THE
 CO FOURTH POSITIVE G4111/X1 SIGMA BAND SYSTEM
 CANADIAN J PHYS 38 310/312 1960
 BY JARMAIN W R
 EBISVLAKI R
 NICHOLLS R W
 DDC NUMBER 400441
 INSTRUMENT AF 49<630>00640
 PROJ/TASK 9767 02

AFOSRJ 113
 WESTERN ONTARIO U LONDON CANADA
 INTENSITY MEASUREMENTS IN EMISSION ON 29 BANDS OF THE O2
 SCHUMANN/RUNGE SYSTEM
 PROC PHYS SOC 78 1024/1037 1961
 BY HEBERT G R
 NICHOLLS R W
 DDC NUMBER 400054
 INSTRUMENT AF 49<630>00640
 PROJ/TASK 9767 02

APOSJ 114
WESTERN ONTARIO U LONDON CANADA
MEASUREMENTS OF ROTATIONAL ENERGY DISTRIBUTIONS IN IONIC
COLLISIONS
PROC PHYS SOC 78 588/593 1961
BY REAVES E M
NICHOLLS R W
DDC NUMBER 400055
INSTRUMENT AF/AFOSR /0236/62
PROJ/TASK 9767 02

APOSJ 115
WESTERN ONTARIO U LONDON CANADA
OPTICAL EXCITATION OF N2 BY 0.5 TO 1.5 MEV HYDROGENIC IONS
PROC PHYS SOC 71 217/222 1960
BY REEVES F M
NICHOLLS R W
BROMLEY D A
DDC NUMBER 400056
INSTRUMENT AF/AFOSR /0236/62
PROJ/TASK 9767 02

APOSJ 117
WESTERN ONTARIO U LONDON CANADA
CONDON PARABOLAE IN MOLECULAR SPECTRA
NATURE 193 966/967 MAR 1967
BY NICHOLLS R W
DDC NUMBER 400195
INSTRUMENT AF/AFOSR /0236/62
PROJ/TASK 9767 02

APOSJ 118
WESTERN ONTARIO U LONDON CANADA
AN F66 LITTROW GRATING SPECTROGRAPH
J OPTICAL SOC OF AMER 51 353/355 MAR 1961
BY FALLOMA J P
FERGUSON I S
NICHOLLS R W
DDC NUMBER 400196
INSTRUMENT AF/AFOSR /0236/62
PROJ/TASK 9767 02

APOSJ 119
ROCHESTER U N Y
THE MEASURES OF BANDWIDTH AND COHERENCE TIME IN OPTICS
PROC PHYS SOC 80 894/897 1962
BY MANDEL L
WOLF E
DDC NUMBER 400078
INSTRUMENT AF/AFOSR /0246/62
PROJ/TASK 9767 02

APOSJ 120
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
ELECTROMAGNETIC RADIATION FROM AN ELECTRIC DIPOLE IN A COLD
ANISOTROPIC PLASMA
PHYS OF FLUIDS 9 1099/1103 SEP 1962
BY KUOHL M W
DDC NUMBER 400447
INSTRUMENT AF/AFOSR /0246/62
PROJ/TASK 9768

APOSJ 121
CALIFORNIA INST OF TECH PASADENA
AN ANALYSIS OF THE ABSOLUTE ENERGY DISTRIBUTION IN THE
SPECTRUM OF SU DRACONIS
ASTROPHYSICAL J 135 393/407 SEP 1962
BY OKE J B
GIVER L P
SEARLE L
DDC NUMBER 400448
INSTRUMENT AF/AFOSR /0246/62
PROJ/TASK 9774 01

APOSJ 122
MASSACHUSETTS INST OF TECH CAMBRIDGE
ELECTROHYDRODYNAMIC SURFACE RESONATORS
PHYS OF FLUIDS 5 1130/1131 SEP 1962
BY MELCHER J R
DDC NUMBER 400079
INSTRUMENT DA/36/039/5C/78100
PROJ/TASK 4751

APOSJ 123
MASSACHUSETTS INST OF TECH CAMBRIDGE
PRECISE CRITICAL FIELD MEASUREMENTS OF SUPERCONDUCTING SN
FILMS IN THE LONDON LIMIT
PHYS REV 127 2038/2043 15 SEP 1962
BY DOUGLASS D M
BLUMBERG R M
DDC NUMBER 400080
INSTRUMENT DA/36/039/5C/78100
PROJ/TASK 4751

APOSJ 124
MASSACHUSETTS INST OF TECH CAMBRIDGE
SELF-DIFFUSION AND IMPURITY/CONTROLLED PROTON RELAXATION IN
LIQUID ETHANE
J CHEM PHYS 37 1108/1191 15 SEP 1962
BY GAYEN J V
STOCKMAYER W M
WAUGH J S
DDC NUMBER 400082
INSTRUMENT DA/36/039/5C/78100
PROJ/TASK 4751

APOSJ 125
MASSACHUSETTS INST OF TECH CAMBRIDGE
ELECTROHYDRODYNAMIC AND MAGNETOHYDRODYNAMIC NONLINEAR
SURFACE WAVES
PHYS FLUIDS 5 1037/1043 SEP 1962
BY MELCHER J R
DDC NUMBER 400081
INSTRUMENT DA/36/039/5C/78100
PROJ/TASK 4751

APOSJ 126
OKLAHOMA U RESEARCH FOUNDATION NORMAN
SYSTEM FOR PROCESSING AND RECORDING EXCITATION FUNCTION DAT
REV SCIENTIFIC INFO 33 1089/1094 OCT 1962
BY ST JOHN R M
LIN C C
STANTON R L
WEST H D
SWEENEY J P
RINEHART F A
DDC NUMBER 400190
INSTRUMENT AF/AFOSR /0067/62
PROJ/TASK 9767 02

APOSJ 127
CALIFORNIA U BERKELEY
THE DEFINITION OF FIELD OF DEFINITION
BUL SOC MATH MEXICANA 39/46 1962
BY ROSENBLICH M
DDC NUMBER 400449
INSTRUMENT AF/AFOSR /0067/62
PROJ/TASK 9749 02

APOSJ 129
INST FOR ADVANCED STUDY PRINCETON N J
ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF HYPERBOLIC INEQUALITIES
BUL AMER MATH SOC 68 523/525 SEP 1962
BY PROTTER M H
DDC NUMBER 400191
INSTRUMENT AF/AFOSR /0067/62
PROJ/TASK 9749 02

APOSJ 130
SYRACUSE U N Y
CIRCUIT FOR NOISE REDUCTION IN A MAGNETIC SUSPENSION BALANC
REV OF SCIENTIFIC INSTRUMENTS 33 1126/1127 OCT 1962
BY TRISCHKA J W
DDC NUMBER 400192
INSTRUMENT AF/AFOSR /0023/60
PROJ/TASK 9767

APOSJ 131
ROCHESTER U N Y
GROWTH OF FLUCTUATIONS IN A UNIFORMLY CONTRACTING OR
EXPANDING CLOUD
ASTROPHYSICAL J 136 609/614 SEP 1962
BY SAVEDOFF M P
VILA S
DDC NUMBER 400193
INSTRUMENT AF/AFOSR /0023/60
PROJ/TASK 9774 01

APOSJ 133
ROCHESTER U N Y
THE CRAB AND CYGNUS A AS GAMMA RAY SOURCES
IL NUOVO CIMENTO 18 127/18 1959
BY SAVEDOFF M P
DDC NUMBER 400194
INSTRUMENT AF/AFOSR /0023/60
PROJ/TASK 9774 01

APOSJ 134
DUKE U DURHAM N C
ELECTRON SPIN RESONANCE OF GRAMMA/IRRADIATED SINGLE
CRYSTAL OF ACETYL/L/Glutamic ACID
J OF CHEM PHYS 37 2143/2146 NOV 1962
BY KATAYAMA M
DDC NUMBER 400396
INSTRUMENT AF/AFOSR /0327/62
PROJ/TASK 9767 02

APOSJ 135
MICHIGAN STATE U EAST LANSING
SYMMETRY PROPERTIES OF THE ASYMMETRIC/ROTATOR
CENTRIFUGAL/DISTORTION CONSTANTS
J OF CHEM PHYS 37 1596/1599 OCT 1962
BY PARKER P M
DDC NUMBER 400186
INSTRUMENT AF/AFOSR /0089/62
PROJ/TASK 9767 01

APOSJ 136
CALIFORNIA U BERKELEY
VARIATIONAL CALCULATIONS OF SCATTERING
ANNAL OF PHYS 16 36/50 1961
BY SCHWARTZ C
DDC NUMBER 400187
INSTRUMENT AF/AFOSR /0121/62
PROJ/TASK 9767 01

APOSJ 137
CALIFORNIA U BERKELEY
PIOM RESONANCES
PHYS REV 128 849/858 OCT 1962
BY ZACHARIASFM F
ZEMACH C
DDC NUMBER 400188
INSTRUMENT AF/AFOSR /0121/61
PROJ/TASK 9767 01

APOSJ 138
CALIFORNIA U BERKELEY
IMPORTANCE OF ANGULAR CORRELATIONS BETWEEN ATOMIC ELECTRONS
PHYS REV 126 1019/1019 MAY 1962
BY SCHWARTZ C
DDC NUMBER 400077
INSTRUMENT AF/AFOSR /0121/62
PROJ/TASK 9767 01

APOSJ 139
CALIFORNIA INST OF TECH PASADENA
HEATING OF STELLAR CHROMOSPHERE BY SMOCK WAVES
ASTROPHYSICAL J 132 452/460 SEP 1960
BY HAYNANN R
DDC NUMBER 400450
INSTRUMENT AF/AFOSR /0021/62
PROJ/TASK 9774 01

APOSJ 141
UPPSALA U SWEDEN
EXPERIMENTAL STUDIES OF THE ELECTROMAGNETIC TRANSITIONS
FROM THE FIRST EXCITED STATES IN MF 177, LU 175, AND LU 177
ARKIV FOR FYSIK 23 341/354 1962
BY LINDSKOG T
SUNDSTROM T
SPARRMAN P
DDC NUMBER 400381
INSTRUMENT AF/EOAR /0123/62
PROJ/TASK 9751 02

APOSJ 142
YALE U NEW HAVEN CONN
SCATTERING APPROXIMATION FOR LONG RANGE FORCES
PHYS REV LETS 9 392/396 NOV 1962
BY GREIDER E R
DDC NUMBER 400380
INSTRUMENT AF/AFOSR /0042/62
PROJ/TASK 9751 02

APOSJ 143
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
DISPERSION THEORY OF THE DEUTERON FORM FACTOR AND ELASTIC
E/D SCATTERING
IL NUOVO CIMENTO 27 1039 FEB 1963
BY JONES M P
DDC NUMBER 400090
INSTRUMENT AF/ENAR /0087/62
PROJ/TASK 9751 01

APOSJ 144
MICHIGAN STATE U EAST LANSING
COMPUTATION OF ASYMMETRIC ROTATOR CONSTANTS FROM ENERGY
MOMENTS. IV
J OF CHEM PHYS 37 2615/2618 DEC 1962
BY GENUSA V A
PARKER P M
DDC NUMBER 400378
INSTRUMENT AF/AFOSR /0375/62
PROJ/TASK 9767 01

APOSJ 145
WASHINGTON U ST LOUIS MO
EFFECTS OF ION ASSOCIATION ON RATES OF OXIDATION/REDUCTION
TRANSFER REACTIONS IN THE NAPHTHALENE/NAPHTHALDIDE SYSTEMS
J AMER CHEM SOC 84 4408/4410 1962
BY ZANDSTRA P J
WEISSMAN
DDC NUMBER 400379
INSTRUMENT AF/AFOSR /0365/62
PROJ/TASK 9767 01

AFOSRJ 84
PARIS U FRANCE
CRYSTALLOGRAPHY
COMP RENDUS 255 319/321 JUL 1962
BY LEVELUT M A DDC NUMBER 400096
LAMBERT M INSTRUMENT AF/EOAR /0051/62
GUINIER M A PROJ/TASK 9761 03

AFOSRJ 85
COLUMBIA U NEW YORK N Y
DETECTION OF THE MICROWAVE V27/LINE OF MOLECULAR OXYGEN
PRODUCED IN THE HIGH ATMOSPHERE
NATURE 195 30/32 JUL 1962
BY KAMAN W DDC NUMBER 400457
INSTRUMENT AF/AFOSR /0050/62
PROJ/TASK 9767 02

AFOSRJ 86
COLUMBIA U NEW YORK N Y
OPTICAL DOUBLE PHOTON ABSORPTION IN CESIUM VAPOR
PHYS REV LTRS 9 493/495 DEC 1962
BY ABELLA I D DDC NUMBER 400456
INSTRUMENT AF/AFOSR /0049/62
PROJ/TASK 9767

AFOSRJ 87
COLUMBIA U NEW YORK N Y
OPTICAL HARMONIC FREQUENCY RATIO MEASUREMENTS
PROC OF IRE 40 AUG 1962
BY ABELLA I D DDC NUMBER 400455
INSTRUMENT AF/AFOSR /0049/62
PROJ/TASK 9768

AFOSRJ 88
GEORGIA INST OF TECH ATLANTA
SOURCE OF THERMAL IONS FOR USE IN GASES AT HIGH PRESSURES
REV OF SCIENTIFIC INSTRUMENTS 31 680 JUN 1960
BY MCDANIEL E W DDC NUMBER 400059
MARTIN D W INSTRUMENT AF 18<600>01524
PROJ/TASK 9767 02

AFOSRJ 89
GEORGIA INST OF TECH ATLANTA
ON THE POSSIBLE OCCURRENCE OF H-3 IN INTERSTELLAR SPACE
ASTROPHYSICAL J 134 1012/1013 NOV 1961
BY MARTIN D W DDC NUMBER 400067
MCDANIEL E W INSTRUMENT AF 49<638>01064
MEERS M L PROJ/TASK 9767 02

AFOSRJ 90
CATHOLIC U OF AMERICA WASHINGTON D C
LINE SHAPE OF ULTRAVIOLET ABSORPTION IN SOLID NOBLE GASES
J OF CHEM PHYS 34 2078/2082 JUNE 1961
BY MEIJER P H DDC NUMBER 400132
INSTRUMENT AF 49<638>00452
PROJ/TASK 9767 01

AFOSRJ 91
CATHOLIC U OF AMERICA WASHINGTON D C
RELAXATION PHENOMENA IN AN ISING SPIN SYSTEM
J PHYS SOC OF JAPAN 17 78/80 1962
BY TANAKA T DDC NUMBER 400133
MEIJER P H E INSTRUMENT AF 49<63A>00452
PROJ/TASK 9767 01

AFOSRJ 92
CATHOLIC U OF AMERICA WASHINGTON D C
DYNAMIC BEHAVIOR OF A SET OF WEAKLY COUPLED ISING SPINS
J MATH PHYS 3 793/797 JULY / AUG 1962
BY MEIJER P H DDC NUMBER 400099
TANAKA T INSTRUMENT AF 49<638>00452
BARRY J H PROJ/TASK 9767 01

AFOSRJ 93
CATHOLIC U OF AMERICA WASHINGTON D C
THEORY OF RELAXATION PHENOMENA NEAR THE SECOND/ORDER
PHASE/TRANSITION POINT
J OF CHEM PHYS 37 1397/1402 OCT 1962
BY TANAKA T DDC NUMBER 400097
MEIJER P H E INSTRUMENT AF 49<63A>00452
BARRY J H PROJ/TASK 9767 01

AFOSRJ 94
CALIFORNIA INST OF TECH PASADENA
RADIANT ENERGY EMISSION FROM EXCITED HARMONIC OSCILLATORS
J OF CHEM PHYS 32 617/618 FEB 1960
BY PENNER S C DDC NUMBER 400064
INSTRUMENT AF 18<603>00002
PROJ/TASK 9767 07

AFOSRJ 95
CALIFORNIA INST OF TECH PASADENA
TEMPERATURE MEASUREMENTS ON THE OM2 SIGMA 211 BAND SYSTEM
FOR A TRANSPARENT GAS IN A SHOCK TUBE
J QUANT SPECTROSC RADIAT TRANSFER 2 301/303 JUNE 1961
BY WATSON R DDC NUMBER 400061
INSTRUMENT AF 49<638>00984
PROJ/TASK 9767 02

AFOSRJ 98
CALIFORNIA INST OF TECH PASADENA
A PRELIMINARY STUDY OF NEUTRAL TITANIUM EMISSION BEHIND
REFLECTED SHOCK WAVES IN TICL4 /AR MIXTURES
J QUANT SPECTROSC RADIAT TRANSFER 2 245/246
NOV 1961
BY SHACKLEFORD M L DDC NUMBER 400062
INSTRUMENT AF 49<638>00984
PROJ/TASK 9767 02

AFOSRJ 99
JOHNS HOPKINS U BALTIMORE MD
EMISSION SPECTRA OF THE DOUBLY AND TRIPLY IONIZED RARE
EARTHS
J OPTICAL SOC OF AMER 51 820/827 AUG 1961
BY DIEKE G M DDC NUMBER 400063
CROSSWHITE M M INSTRUMENT AF 49<638>00535
DUNN B PROJ/TASK 9767 02

AFOSRJ 100
JOHNS HOPKINS U BALTIMORE MD
STRUCTURE OF FN CONFIGURATIONS. II. F5 AND F6 CONFIGURATION
J OF CHEM PHYS 36 2301/2311 MAY 1962
BY WYBOURNE B G DDC NUMBER 400169
INSTRUMENT AF 49<638>00535
PROJ/TASK 9767 02

AFOSRJ 101
JOHNS HOPKINS U BALTIMORE MD
STRUCTURE OF FN CONFIGURATIONS. I. CALCULATION OF THE ENERGY
LEVELS
J CHEM PHYS 36 2295/2300 MAY 1962
BY WYBOURNE B G DDC NUMBER 400129
INSTRUMENT AF 49<638>00535
PROJ/TASK 9767 02

AFOSRJ 102
JOHNS HOPKINS U BALTIMORE MD
INTENSITIES OF CRYSTAL SPECTRA OF RARE/EARTH IONS
J OF CHEM PHYS 37 911/920 AUG 1962
BY OPELT G S DDC NUMBER 400174
INSTRUMENT AF 49<638>00535
PROJ/TASK 9767 02

AFOSRJ 103
JOHNS HOPKINS U BALTIMORE MD
TIME/RESOLVED SPECTRA OF RARE/EARTH IONS
J OPTICAL SOC OF AMER 52 649/655
BY HOVIS W A DDC NUMBER 400070
INSTRUMENT AF 49<638>00535
PROJ/TASK 9767 02

AFOSRJ 104
WAYNE STATE U DETROIT MICH
ENERGY GAP AND CRITICAL FIELD OF SUPERCONDUCTING MOLYBDENUM
OBTAINED BY ULTRASONIC MEASUREMENTS
PHYS REV LTRS 9 313/314 OCT 1962
BY HORWITZ N H DDC NUMBER 400454
BOHM M V INSTRUMENT AF/AFOSR /0379/62
PROJ/TASK 9761 03

AFOSRJ 105
CALIFORNIA U LA JOLLA
ENHANCEMENT OF HYDRODYNAMIC STABILITY BY MODULATIONS
PHYS REV LTRS 9 363/365 NOV 1962
BY DONNELLY R J DDC NUMBER 400465
REIF P INSTRUMENT AF 49<638>01038
SUMI M PROJ/TASK 9761 01

AFOSRJ 106
MCMASTER U HAMILTON ONTARIO CANADA
CORROSION OF IRON/BA3E ALLOYS AT HIGH TEMPERATURES
CANADIAN MINING METALLURGICAL UL 65 367/372 1962
BY SMELTZER W W DDC NUMBER 400425
INSTRUMENT AF/AFOSR /0108/61
PROJ/TASK 9763 01

AFOSRJ 107
WESTERN ONTARIO U LONDON CANADA
ALLOWED TRANSITIONS
ATOMIC AND MOLECULAR PROCESSES ACADEMIC PRESS INC
N Y C 1962
BY NICHOLLS R W DDC NUMBER 400463
STEWART A L INSTRUMENT AF/AFOSR /0088/61
PROJ/TASK 9767 02

AFOSRJ 108
WESTERN ONTARIO U LONDON CANADA
THE K2763 A 60.96 BAND OF THE O2 SCHUMANN/RUNGE SYSTEM
J ATMOSPHERIC AND TERRESTRIAL PHYS 21 213/215 1961
BY NICHOLLS R W DDC NUMBER 400464
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 109
WESTERN ONTARIO U LONDON CANADA
D/WAVE CONTRIBUTION TO ELECTRON/HYDROGEN ATOM SCATTERING
CANADIAN J PHYS 38 317/320 1960
BY MCEACHRAN R P DDC NUMBER 400184
FRASER P A INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 110
WESTERN ONTARIO U LONDON CANADA
FRANCK/CONDON FACTORS AND R/CENTROIDS FOR SOME BANDS OF THE
SIO A1 11/X1 SIGMA - BAND SYSTEM
CANADIAN J PHYS 39 1215/1216 1961
BY MCGREGOR A T DDC NUMBER 400185
NICHOLLS R W INSTRUMENT AF 49<638>00640
JARMAN W R PROJ/TASK 9767 02

AFOSRJ 111
WESTERN ONTARIO U LONDON CANADA
FRANCK/CONDON FACTORS AND R/CENTROIDS TO HIGH QUANTUM
NUMBERS FOR BANDS OF THE 2112/A211U SYSTEM OF N-2
CANADIAN J PHYS 40 523/527 1962
BY NICHOLLS R W DDC NUMBER 400183
INSTRUMENT AF/AFOSR /0088/61
PROJ/TASK 9767 02

AFOSRJ 112
WESTERN ONTARIO U LONDON CANADA
FRANCK/CONDON FACTORS AND R/CENTROIDS FOR SOME BANDS OF THE
CO FOURTH POSITIVE G111/X1 SIGMA BAND SYSTEM
CANADIAN J PHYS 38 910/912 1960
BY JARMAN W R DDC NUMBER 400441
EBISVLAKI R INSTRUMENT AF 49<638>00640
NICHOLLS R W PROJ/TASK 9767 02

AFOSRJ 113
WESTERN ONTARIO U LONDON CANADA
INTENSITY MEASUREMENTS IN EMISSION ON 29 BANDS OF THE O2
SCHUMANN/RUNGE SYSTEM
PROC PHYS SOC 78 1024/1037 1961
BY HERBERT G R DDC NUMBER 400054
NICHOLLS R W INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 114
WESTERN ONTARIO U LONDON CANADA
MEASUREMENTS OF ROTATIONAL ENERGY DISTRIBUTIONS IN IONIC COLLISIONS
PROC PHYS SOC 70 500/593 1961
BY REAVES E M
NICHOLLS R W
DDC NUMBER 400055
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 115
WESTERN ONTARIO U LONDON CANADA
OPTICAL EXCITATION OF N₂ BY 0.5 TO 1.5 MEV HYDROGENIC IONS
PROC PHYS SOC 71 217/222 1960
BY REEVES E M
NICHOLLS R W
BROWLEY D A
DDC NUMBER 400056
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 117
WESTERN ONTARIO U LONDON CANADA
CONDON PARABOLAE IN MOLECULAR SPECTRA
NATURE 193 966/967 MAR 1962
BY NICHOLLS R W
DDC NUMBER 400195
INSTRUMENT AF/AFOSR /0236/62
PROJ/TASK 9767 02

AFOSRJ 118
WESTERN ONTARIO U LONDON CANADA
AN F66 LITTON GRATING SPECTROGRAPH
J OPTICAL SOC OF AMER 51 353/355 MAR 1961
BY FALLONA J P
FERGUSON I S
NICHOLLS R W
DDC NUMBER 400196
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 119
ROCHESTER U N Y
THE MEASURES OF BANDWIDTH AND COHERENCE TIME IN OPTICS
PROC PHYS SOC 80 894/897 1962
BY MANDEL L
WOLF E
DDC NUMBER 400078
INSTRUMENT AF/AFOSR /0266/62
PROJ/TASK 9767 02

AFOSRJ 120
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
ELECTROMAGNETIC RADIATION FROM AN ELECTRIC DIPOLE IN A COLD ANISOTROPIC PLASMA
PHYS OF FLUIDS 5 1095/1103 SEP 1962
BY KUHL M W
DDC NUMBER 400447
INSTRUMENT AF 49<638>00522
PROJ/TASK 9768

AFOSRJ 121
CALIFORNIA INST OF TECH PASADENA
AN ANALYSIS OF THE ABSOLUTE ENERGY DISTRIBUTION IN THE SPECTRUM OF SUNSPOTS
ASTROPHYSICAL J 135 393/407 SEP 1962
BY OKE J B
GIVER L P
SEARLE L
DDC NUMBER 400448
INSTRUMENT AF 49<638>00021
PROJ/TASK 9774 01

AFOSRJ 122
MASSACHUSETTS INST OF TECH CAMBRIDGE
ELECTROHYDRODYNAMIC SURFACE RESONATORS
PHYS OF FLUIDS 5 1130/1131 SEP 1962
BY MELCHER J R
DDC NUMBER 400079
INSTRUMENT DA/36/039/SC/78100
PROJ/TASK 4751

AFOSRJ 123
MASSACHUSETTS INST OF TECH CAMBRIDGE
PRECISE CRITICAL FIELD MEASUREMENTS OF SUPERCONDUCTING SM FILMS IN THE LONDON LIMIT
PHYS REV 127 2030/2043 15 SEP 1962
BY DOUGLASS D M
BLUMBERG R M
DDC NUMBER 400080
INSTRUMENT DA/36/039/SC/78100
PROJ/TASK 4751

AFOSRJ 124
MASSACHUSETTS INST OF TECH CAMBRIDGE
SELF-DIFFUSION AND IMPURITY/CONTROLLED PROTON RELAXATION IN LIQUID ETHANE
J CHEM PHYS 37 1180/1191 15 SEP 1962
BY BAVEN J V
STOCKMAYER W M
WAUGH J S
DDC NUMBER 400082
INSTRUMENT DA/36/039/SC/78100
PROJ/TASK 4751

AFOSRJ 125
MASSACHUSETTS INST OF TECH CAMBRIDGE
ELECTROHYDRODYNAMIC AND MAGNETOHYDRODYNAMIC NONLINEAR SURFACE WAVES
PHYS FLUIDS 5 1037/1043 SEP 1962
BY MELCHER J R
DDC NUMBER 400081
INSTRUMENT DA/36/039/SC/78100
PROJ/TASK 4751

AFOSRJ 126
OKLAHOMA U RESEARCH FOUNDATION NORMAN
SYSTEM FOR PROCESSING AND RECORDING EXCITATION FUNCTION DATA
REV SCIENTIFIC INFO 33 1089/1094 OCT 1962
BY ST JOHN R M
LIN C C
STANTON R L
WEST H D
SWEENEY J P
RINEMARZ E A
DDC NUMBER 400190
INSTRUMENT AF/AFOSR /0067/62
PROJ/TASK 9767 02

AFOSRJ 127
CALIFORNIA U BERKELEY
THE DEFINITION OF FIELD OF DEFINITION
BUL SOC MATH MEXICANA 39/46 1962
BY ROSEMICHT M
DDC NUMBER 400449
INSTRUMENT AF 49<638>00603
PROJ/TASK 9749 02

AFOSRJ 129
INST FOR ADVANCED STUDY PRINCETON N J
ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF HYPERBOLIC INEQUALITIES
BUL AMER MATH SOC 60 523/525 SEP 1962
BY PROTTER M H
DDC NUMBER 400191
INSTRUMENT AF 49<638>00253
PROJ/TASK 9749 02

AFOSRJ 130
YRACUSE U N Y
CIRCUIT FOR NOISE REDUCTION IN A MAGNETIC SUSPENSION BALANCE
REV OF SCIENTIFIC INSTRUMENTS 33 1126/1127 OCT 1962
BY TRISCKMA J W
DDC NUMBER 400192
INSTRUMENT AF/AFOSR /0023/60
PROJ/TASK 9767

AFOSRJ 131
ROCHESTER U N Y
GROWTH OF FLUCTUATIONS IN A UNIFORMLY CONTRACTING OR EXPANDING CLOUD
ASTROPHYSICAL J 136 609/614 SEP 1962
BY SAVEDOFF M P
VILA S
DDC NUMBER 400193
INSTRUMENT AF 49<638>00052
PROJ/TASK 9774 01

AFOSRJ 133
ROCHESTER U N Y
THE CRAB AND CYGNUS A AS GAMMA RAY SOURCES
IL NUOVO CIMENTO 10 12/10 1959
BY SAVEDOFF M P
DDC NUMBER 400194
INSTRUMENT AF 49<638>00052
PROJ/TASK 9774 01

AFOSRJ 134
DUKE U DURHAM N C
ELECTRON SPIN RESONANCE OF GAMMA-IRRADIATED SINGLE CRYSTAL OF ACETYL/L-GLUTAMIC ACID
J OF CHEM PHYS 37 2143/2146 NOV 1962
BY KATAYAMA M
DDC NUMBER 400396
INSTRUMENT AF/AFOSR /0327/62
PROJ/TASK 9767 02

AFOSRJ 135
MICHIGAN STATE U EAST LANSING
SYMMETRY PROPERTIES OF THE ASYMMETRIC/ROTATOR CENTRIFUGAL/DISTORTION CONSTANTS
J OF CHEM PHYS 37 1596/1599 OCT 1962
BY PARKER P M
DDC NUMBER 400186
INSTRUMENT AF 49<638>00894
PROJ/TASK 9767 01

AFOSRJ 136
CALIFORNIA U BERKELEY
VARIATIONAL CALCULATIONS OF SCATTERING
ANNAL OF PHYS 16 36/50 1961
BY SCHWARTZ C
DDC NUMBER 400187
INSTRUMENT AF/AFOSR /0121/62
PROJ/TASK 9767 01

AFOSRJ 137
CALIFORNIA U BERKELEY
PIOM RESONANCES
PHYS REV 128 849/850 OCT 1962
BY ZACHARIASSEN F
ZEMACH C
DDC NUMBER 400188
INSTRUMENT AF/AFOSR /0121/61
PROJ/TASK 9767 01

AFOSRJ 138
CALIFORNIA U BERKELEY
IMPORTANCE OF ANGULAR CORRELATIONS BETWEEN ATOMIC ELECTROMS
PHYS REV 126 1015/1019 MAY 1962
BY SCHWARTZ C
DDC NUMBER 400077
INSTRUMENT AF/AFOSR /0121/62
PROJ/TASK 9767 01

AFOSRJ 139
CALIFORNIA INST OF TECH PASADENA
HEATING OF STELLAR CHROMOSPHERE BY SHOCK WAVES
ASTROPHYSICAL J 132 452/460 SEP 1960
BY HAYMANN R
DDC NUMBER 400450
INSTRUMENT AF 49<638>00021
PROJ/TASK 9774 01

AFOSRJ 141
UPPSALA U SWEDEN
EXPERIMENTAL STUDIES OF THE ELECTROMAGNETIC TRANSITIONS FROM THE FIRST EXCITED STATES IN HF 177, LU 175, AND LU 177
ARKIV FOR FYSIK 23 341/354 1962
BY LINDSKOG T
SUNDSTROM T
SPARRMAN P
DDC NUMBER 400381
INSTRUMENT AF/EOAR /0123/62
PROJ/TASK 9751 02

AFOSRJ 142
YALE U NEW HAVEN CONN
SCATTERING APPROXIMATION OF RANGE FORCES
PHYS REV LETS 9 392/396 NOV 1962
BY GREIDER K R
DDC NUMBER 400380
INSTRUMENT AF/AFOSR /0042/62
PROJ/TASK 9751 02

AFOSRJ 143
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
DISPERSION THEORY OF THE DEUTERON FORM FACTOR AND ELASTIC E/D SCATTERING
IL NUOVO CIMENTO 27 1039 FEB 1963
BY JONES H F
DDC NUMBER 400090
INSTRUMENT AF/EOAR /0087/62
PROJ/TASK 9751 01

AFOSRJ 144
MICHIGAN STATE U EAST LANSING
COMPUTATION OF ASYMMETRIC ROTATOR CONSTANTS FROM ENERGY MOMENTS. IV
J OF CHEM PHYS 37 2615/2618 DEC 1962
BY GENUSA V A
PARKER P M
DDC NUMBER 400378
INSTRUMENT AF/AFOSR /0375/62
PROJ/TASK 9767 01

AFOSRJ 145
WASHINGTON U ST LOUIS MO
EFFECTS OF ION ASSOCIATION ON RATES OF OXIDATION/REDUCTION TRANSFER REACTIONS IN THE NAPHTHALENE/NAPHTHALDINONE SYSTEMS
J AMER CHEM SOC 84 4408/4410 1962
BY ZANDSTRA P J
WEISSMAN
INSTRUMENT AF/AFOSR /0365/62
PROJ/TASK 9767 01

APOSRJ 84
PARIS U FRANCE
CRISTALLOGRAPHIA
COMP RENDUS 295 319/321 JUL 1962
BY LEVELUT M A
LAMBERT M
GUINIER M A
DDC NUMBER 400096
INSTRUMENT AF/AOSR /0051/62
PROJ/TASK 9761 03

APOSRJ 85
COLUMBIA U NEW YORK N Y
DETECTION OF THE MICROWAVE V27/LINE OF MOLECULAR OXYGEN
PRODUCED IN THE HIGH ATMOSPHERE
NATURE 195 30/32 JUL 1962
BY KAMAN W
DDC NUMBER 400457
INSTRUMENT AF/AOSR /0050/62
PROJ/TASK 9767 02

APOSRJ 86
COLUMBIA U NEW YORK N Y
OPTICAL DOUBLE PHOTON ABSORPTION IN CESIUM VAPOR
PHYS REV LTRS 9 453/455 DEC 1962
BY ABELLA I D
DDC NUMBER 400456
INSTRUMENT AF/AOSR /0049/62
PROJ/TASK 9767

APOSRJ 87
COLUMBIA U NEW YORK N Y
OPTICAL HARMONIC FREQUENCY RATIO MEASUREMENTS
PROC OF IRE 90 AUG 1962
BY ABELLA I D
DDC NUMBER 400455
INSTRUMENT AF/AOSR /0049/62
PROJ/TASK 9768

APOSRJ 88
GEORGIA INST OF TECH ATLANTA
SOURCE OF THERMAL IONS FOR USE IN GASES AT HIGH PRESSURES
REV OF SCIENTIFIC INSTRUMENTS 31 660 JUN 1960
BY MCDANIEL E W
MARTIN D W
DDC NUMBER 400059
INSTRUMENT AF 18<600>01524
PROJ/TASK 9767 02

APOSRJ 89
GEORGIA INST OF TECH ATLANTA
ON THE POSSIBLE OCCURRENCE OF M-3 IN INTERSTELLAR SPACE
ASTROPHYSICAL J 134 1012/1013 NOV 1961
BY MARTIN D W
MCDANIEL E W
WEEKS M L
DDC NUMBER 400067
INSTRUMENT AF 49<638>01064
PROJ/TASK 9767 02

APOSRJ 90
CATHOLIC U OF AMERICA WASHINGTON D C
LINE SHAPE OF ULTRAVIOLET ABSORPTION IN SOLID NOBLE GASES
J OF CHEM PHYS 34 2078/2082 JUNE 1961
BY WEIJER P H
DDC NUMBER 400132
INSTRUMENT AF 49<638>00452
PROJ/TASK 9767 01

APOSRJ 91
CATHOLIC U OF AMERICA WASHINGTON D C
RELAXATION PHENOMENA IN AN ISING SPIN SYSTEM
J PHYS SOC OF JAPAN 17 78/80 1962
BY TANAKA T
WEIJER P H E
DDC NUMBER 400133
INSTRUMENT AF 49<638>00452
PROJ/TASK 9767 01

APOSRJ 92
CATHOLIC U OF AMERICA WASHINGTON D C
DYNAMIC BEHAVIOR OF A SET OF NEARLY COUPLED ISING SPINS
J MATH PHYS 3 793/797 JULY / AUG 1962
BY WEIJER P H
TANAKA T
BARRY J H
DDC NUMBER 400099
INSTRUMENT AF 49<638>00452
PROJ/TASK 9767 01

APOSRJ 93
CATHOLIC U OF AMERICA WASHINGTON D C
THEORY OF RELAXATION PHENOMENA NEAR THE SECOND/ORDER
PHASE/TRANSITION POINT
J OF CHEM PHYS 37 1397/1402 OCT 1962
BY TANAKA T
WEIJER P H E
BARRY J H
DDC NUMBER 400097
INSTRUMENT AF 49<638>00452
PROJ/TASK 9767 01

APOSRJ 94
CALIFORNIA INST OF TECH PASADENA
RADIANT ENERGY EMISSION FROM EXCITED HARMONIC OSCILLATORS
J OF CHEM PHYS 32 617/618 FEB 1960
BY PENNER S S
DDC NUMBER 400064
INSTRUMENT AF 18<600>00002
PROJ/TASK 9767 02

APOSRJ 96
CALIFORNIA INST OF TECH PASADENA
TEMPERATURE MEASUREMENTS ON THE OM2 SIGMA 211 BAND SYSTEM
FOR A TRANSPARENT GAS IN A SHOCK TUBE
J QUANT SPECTROSC RADIAT TRANSFER 2 301/303 JUNE 1961
BY WATSON R
DDC NUMBER 400061
INSTRUMENT AF 49<638>00984
PROJ/TASK 9767 02

APOSRJ 98
CALIFORNIA INST OF TECH PASADENA
A PRELIMINARY STUDY OF NEUTRAL TITANIUM EMISSION BEHIND
REFLECTED SHOCK WAVES IN TICL4 /AR MIXTURES
QUANT SPECTROSC RADIAT TRANSFER 2 245/246
NOV 1961
BY SHACKLEFORD W L
DDC NUMBER 400062
INSTRUMENT AF 49<638>00984
PROJ/TASK 9767 02

APOSRJ 99
JOHNS HOPKINS U BALTIMORE MD
EMISSION SPECTRA OF THE DOUBLY AND TRIPLY IONIZED RARE
EARTHS
J OPTICAL SOC OF AMER 51 820/827 AUG 1961
BY DIEKE G W
CROSSWHITE M H
MUNN R
DDC NUMBER 400063
INSTRUMENT AF 49<638>00535
PROJ/TASK 9767 02

APOSRJ 100
JOHNS HOPKINS U BALTIMORE MD
STRUCTURE OF FN CONFIGURATIONS. 11. F5 AND F9 CONFIGURATION
J OF CHEM PHYS 36 2301/2311 MAY 1962
BY WYBOURNE B G
DDC NUMBER 400169
INSTRUMENT AF 49<638>00535
PROJ/TASK 9767 02

APOSRJ 101
JOHNS HOPKINS U BALTIMORE MD
STRUCTURE OF FN CONFIGURATIONS. 1. CALCULATION OF THE ENERGY
LEVELS
J CHEM PHYS 36 2295/2300 MAY 1962
BY WYBOURNE B G
DDC NUMBER 400179
INSTRUMENT AF 49<638>00535
PROJ/TASK 9767 02

APOSRJ 102
JOHNS HOPKINS U BALTIMORE MD
INTENSITIES OF CRYSTAL SPECTRA OF RARE/EARTH IONS
J OF CHEM PHYS 37 911/920 AUG 1962
BY OFELY G S
DDC NUMBER 400174
INSTRUMENT AF 49<638>00535
PROJ/TASK 9767 02

APOSRJ 103
JOHNS HOPKINS U BALTIMORE MD
TIME/RESOLVED SPECTRA OF RARE/EARTH IONS
J OPTICAL SOC OF AMER 52 649/655
BY MOVIS W A
DDC NUMBER 400070
INSTRUMENT AF 49<638>00535
PROJ/TASK 9767 02

APOSRJ 104
WAYNE STATE U DETROIT MICH
ENERGY GAP AND CRITICAL FIELD OF SUPERCONDUCTING MOLYBDENUM
OBTAINED BY ULTRASONIC MEASUREMENTS
PHYS REV LTRS 9 313/314 OCT 1962
BY MORWITZ N H
BOMM H V
DDC NUMBER 400454
INSTRUMENT AF/AOSR /0379/62
PROJ/TASK 9761 03

APOSRJ 105
CALIFORNIA U LA JOLLA
ENHANCEMENT OF HYDRODYNAMIC STABILITY BY MODULATIONS
PHYS REV LTRS 9 363/365 NOV 1962
BY DONNELLY R J
RFIF P
SUMI M
DDC NUMBER 400465
INSTRUMENT AF 49<638>01038
PROJ/TASK 9761 01

APOSRJ 106
MCMASTER U HAMILTON ONTARIO CANADA
CORROSION OF IRON/BA3E ALLOYS AT HIGH TEMPERATURES
CANADIAN MINING METALLURGICAL BUL 65 367/372 1962
BY SMELTZER M W
DDC NUMBER 400425
INSTRUMENT AF/AOSR /0108/61
PROJ/TASK 9763 01

APOSRJ 107
WESTERN ONTARIO U LONDON CANADA
ALLOWED TRANSITIONS
ATOMIC AND MOLECULAR PROCESSES ACADEMIC PRESS INC
N Y C 1962
BY NICHOLLS R W
STEWART A L
DDC NUMBER 400463
INSTRUMENT AF/AOSR /0088/61
PROJ/TASK 9767 02

APOSRJ 108
WESTERN ONTARIO U LONDON CANADA
THE 4274 A 60.96 BAND OF THE O2 SCHUMANN/RUNGE SYSTEM
J ATMOSP AND TERRES PHYS 21 213/215 1961
BY NICHOLLS R W
DDC NUMBER 400464
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

APOSRJ 109
WESTERN ONTARIO U LONDON CANADA
D/WAVE CONTRIBUTION TO ELECTRON/HYDROGEN ATOM SCATTERING
CANADIAN J PHYS 38 317/320 1960
BY MCEACHMAN R P
FRASER P A
DDC NUMBER 400184
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

APOSRJ 110
WESTERN ONTARIO U LONDON CANADA
FRANCE/CONDON FACTORS AND R/CENTROIDS FOR SOME BANDS OF THE
SiO A1 11/X1 SIGMA - BAND SYSTEM
CANADIAN J PHYS 39 1215/1216 1961
BY MCGREGOR A T
NICHOLLS R W
JARMAN W R
DDC NUMBER 400185
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

APOSRJ 111
WESTERN ONTARIO U LONDON CANADA
FRANCE/CONDON FACTORS AND R/CENTROIDS TO HIGH QUANTUM
NUMBERS FOR BANDS OF THE 2112/A211U SYSTEM OF N-2
CANADIAN J PHYS 40 523/527 1962
BY NICHOLLS R W
DDC NUMBER 400183
INSTRUMENT AF/AOSR /0088/61
PROJ/TASK 9767 02

APOSRJ 112
WESTERN ONTARIO U LONDON CANADA
FRANCE/CONDON FACTORS AND R/CENTROIDS FOR SOME BANDS OF THE
CO FOURTH POSITIVE 6A111/X1 SIGMA BAND SYSTEM
CANADIAN J PHYS 38 510/512 1960
BY JARMAN W R
EBISVLAKI R
NICHOLLS R W
DDC NUMBER 400461
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

APOSRJ 113
WESTERN ONTARIO U LONDON CANADA
INTENSITY MEASUREMENTS IN EMISSION ON 29 BANDS OF THE O2
SCHUMANN/RUNGE SYSTEM
PROC PHYS SOC 78 1024/1037 1961
BY HEBERT G R
NICHOLLS R W
DDC NUMBER 400054
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 114
WESTERN ONTARIO U LONDON CANADA
MEASUREMENTS OF ROTATIONAL ENERGY DISTRIBUTIONS IN IONIC
COLLISIONS
PROC PHYS SOC 70 988/993 1961
BY REAVES E M
NICHOLLS R W
DCD NUMBER 400055
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 115
WESTERN ONTARIO U LONDON CANADA
OPTICAL EXCITATION OF N₂ BY 0.5 TO 1.5 MEV HYDROGENIC IONS
PROC PHYS SOC 71 217/222 1960
BY REAVES E M
NICHOLLS R W
BROMLEY D A
DCD NUMBER 400056
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 117
WESTERN ONTARIO U LONDON CANADA
CONDON PARABOLAE IN MOLECULAR SPECTRA
NATURE 193 966/967 MAR 1962
BY NICHOLLS R W
DCD NUMBER 400195
INSTRUMENT AF/AFOSR /0236/62
PROJ/TASK 9767 02

AFOSRJ 118
WESTERN ONTARIO U LONDON CANADA
AN F66 LITROW GRATING SPECTROGRAPH
J OPTICAL SOC OF AMER 51 353/355 MAR 1961
BY FALONA J P
FERGUSON I S
NICHOLLS R W
DCD NUMBER 400196
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 119
ROCHESTER U N Y
THE MEASURES OF BANDWIDTH AND COHERENCE TIME IN OPTICS
PROC PHYS SOC 80 894/897 1962
BY MANDEL L
WOLF E
DCD NUMBER 400078
INSTRUMENT AF/AFOSR /0246/62
PROJ/TASK 9767 02

AFOSRJ 120
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
ELECTROMAGNETIC RADIATION FROM AN ELECTRIC DIPOLE IN A COLD
ANISOTROPIC PLASMA
PHYS OF FLUIDS 5 1095/1103 SEP 1962
BY KUEHL M W
DCD NUMBER 400447
INSTRUMENT AF 49<638>00522
PROJ/TASK 9768

AFOSRJ 121
CALIFORNIA INST OF TECH PASADENA
AN ANALYSIS OF THE ABSOLUTE ENERGY DISTRIBUTION IN THE
SPECTRUM OF SU ORACONIS
ASTROPHYSICAL J 135 393/407 SEP 1962
BY GEE J B
GIVER L P
SEARLE L
DCD NUMBER 400448
INSTRUMENT AF 49<638>00021
PROJ/TASK 9774 01

AFOSRJ 122
MASSACHUSETTS INST OF TECH CAMBRIDGE
ELECTROHYDRODYNAMIC SURFACE RESONATORS
PHYS OF FLUIDS 5 1190/1191 SEP 1962
BY MELCHER J R
DCD NUMBER 400079
INSTRUMENT DA/36/039/SC/70100
PROJ/TASK 4751

AFOSRJ 123
MASSACHUSETTS INST OF TECH CAMBRIDGE
PRECISE CRITICAL/FIELD MEASUREMENTS OF SUPERCONDUCTING SN
FILMS IN THE LONDON LIMIT
PHYS REV 127 2030/2043 15 SEP 1962
BY DOUGLASS D M
BLUMBERG R M
DCD NUMBER 400080
INSTRUMENT DA/36/039/SC/70100
PROJ/TASK 4751

AFOSRJ 124
MASSACHUSETTS INST OF TECH CAMBRIDGE
SELF-DIFFUSION AND IMPURITY/CONTROLLED PROTON RELAXATION IN
LIQUID ETHANE
J CHEM PHYS 37 1180/1191 15 SEP 1962
BY BAVEN J V
STOCKMAYER W M
WAUGH J S
DCD NUMBER 400082
INSTRUMENT DA/36/039/SC/70100
PROJ/TASK 4751

AFOSRJ 125
MASSACHUSETTS INST OF TECH CAMBRIDGE
ELECTROHYDRODYNAMIC AND MAGNETOHYDRODYNAMIC NONLINEAR
SURFACE WAVES
PHYS FLUIDS 5 1037/1043 SEP 1962
BY MELCHER J R
DCD NUMBER 400081
INSTRUMENT DA/36/039/SC/70100
PROJ/TASK 4751

AFOSRJ 126
OKLAHOMA U RESEARCH FOUNDATION NORMAN
SYSTEM FOR PROCESSING AND RECORDING EXCITATION FUNCTION DATA
REV SCIENTIFIC INFO 33 1089/1094 OCT 1962
BY ST JOHN R M
LIN C C
STANTON R L
WEST M D
SWEENEY J P
RINEHART F A
DCD NUMBER 400190
INSTRUMENT AF/AFOSR /0067/62
PROJ/TASK 9767 02

AFOSRJ 127
CALIFORNIA U BERKELEY
THE DEFINITION OF FIELD OF DEFINITION
BUL SOC MATH MEXICANA 39/46 1962
BY ROSENBLICHT M
DCD NUMBER 400449
INSTRUMENT AF 49<638>00603
PROJ/TASK 9749 02

AFOSRJ 129
INST FOR ADVANCED STUDY PRINCETON N J
ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF HYPERBOLIC INEQUALITIES
BUL AMER MATH SOC 60 523/525 SEP 1962
BY PROTTER M H
DCD NUMBER 400191
INSTRUMENT AF 49<638>00293
PROJ/TASK 9749 02

AFOSRJ 130
SYRACUSE U N Y
CIRCUIT FOR NOISE REDUCTION IN A MAGNETIC SUSPENSION BALANCE
REV OF SCIENTIFIC INSTRUMENTS 33 1126/1127 OCT 1962
BY TRISCHKA J W
DCD NUMBER 400192
INSTRUMENT AF AFOSR /0023/60
PROJ/TASK 9-67

AFOSRJ 131
ROCHESTER U N Y
GROWTH OF FLUCTUATIONS IN A UNIFORMLY CONTRACTING OR
EXPANDING CLOUD
ASTROPHYSICAL J 136 609/614 SEP 1962
BY SAVEDOFF M P
VILA S
DCD NUMBER 400193
INSTRUMENT AF 49<638>00052
PROJ/TASK 9774 01

AFOSRJ 133
ROCHESTER U N Y
THE CRAB AND CYGNUS A AS GAMMA RAY SOURCES
IL NUOVO CIMENTO 10 12/10 1959
BY SAVEDOFF M P
DCD NUMBER 400194
INSTRUMENT AF 49<638>00052
PROJ/TASK 9774 01

AFOSRJ 134
DUKE U DURHAM N C
ELECTRON SPIN RESONANCE OF GRAMMA/IRRADIATED SINGLE
CRYSTAL OF ACETYL/L-GLUTAMIC ACID
J OF CHEM PHYS 37 2143/2146 NOV 1962
BY KATAYAMA M
DCD NUMBER 400396
INSTRUMENT AF/AFOSR /0327/62
PROJ/TASK 9767 02

AFOSRJ 135
MICHIGAN STATE U EAST LANSING
SYMMETRY PROPERTIES OF THE ASYMMETRIC/ROTATOR
CENTRIFUGAL/DISTORTION CONSTANTS
J OF CHEM PHYS 37 1596/1599 OCT 1962
BY PARKER P M
DCD NUMBER 400186
INSTRUMENT AF 49<638>00894
PROJ/TASK 9767 01

AFOSRJ 136
CALIFORNIA U BERKELEY
VARIATIONAL CALCULATIONS OF SCATTERING
ANNAL OF PHYS 16 36/50 1961
BY SCHWARTZ C
DCD NUMBER 400187
INSTRUMENT AF/AFOSR /0121/62
PROJ/TASK 9767 01

AFOSRJ 137
CALIFORNIA U BERKELEY
PION RESONANCES
PHYS REV 128 849/850 OCT 1962
BY ZACHARIASSEN F
ZEMACH C
DCD NUMBER 400188
INSTRUMENT AF/AFOSR /0121/61
PROJ/TASK 9767 01

AFOSRJ 138
CALIFORNIA U BERKELEY
IMPORTANCE OF ANGULAR CORRELATIONS BETWEEN ATOMIC ELECTRONS
PHYS REV 126 1019/1019 MAY 1962
BY SCHWARTZ C
DCD NUMBER 400077
INSTRUMENT AF/AFOSR /0121/62
PROJ/TASK 9767 01

AFOSRJ 139
CALIFORNIA INST OF TECH PASADENA
HEATING OF STELLAR CHROMOSPHERE BY SMOCK WAVES
ASTROPHYSICAL J 132 457/460 SEP 1960
BY HAYMANN R
DCD NUMBER 400450
INSTRUMENT AF 49<638>00021
PROJ/TASK 9774 01

AFOSRJ 141
UPPSALA U SWEDEN
EXPERIMENTAL STUDIES OF THE ELECTROMAGNETIC TRANSITIONS
FROM THE FIRST EXCITED STATES IN MF 177, LU 179, AND LU 177
ARKIV FOR FYSIK 23 341/354 1962
BY LINDSKOG T
SUNDSTROM T
SPARRMAN P
DCD NUMBER 400381
INSTRUMENT AF/EOAR /0123/62
PROJ/TASK 9751 02

AFOSRJ 142
YALE U NEW HAVEN CONN
SCATTERING APPROXIMATION FOR LONG RANGE FORCES
PHYS REV LETS 9 392/396 NOV 1962
BY GREIDER K R
DCD NUMBER 400380
INSTRUMENT AF/AFOSR /0042/62
PROJ/TASK 9751 02

AFOSRJ 143
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
DISPERSION THEORY OF THE DEUTERON FORM FACTOR AND ELASTIC
E/D SCATTERING
IL NUOVO CIMENTO 27 1039 FEB 1963
BY JONES M F
DCD NUMBER 400090
INSTRUMENT AF/EOAR /0087/62
PROJ/TASK 9751 01

AFOSRJ 144
MICHIGAN STATE U EAST LANSING
COMPUTATION OF ASYMMETRIC ROTATOR CONSTANTS FROM ENERGY
MOMENTS. IV
J OF CHEM PHYS 37 2615/2618 DEC 1962
BY GENUSA V A
PARKER P M
DCD NUMBER 400378
INSTRUMENT AF/AFOSR /0375/62
PROJ/TASK 9767 01

AFOSRJ 145
WASHINGTON U ST LOUIS MO
EFFECTS OF ION ASSOCIATION ON RATES OF OXIDATION/REDUCTION
TRANSFER REACTIONS IN THE NAPHTHALENE/NAPHTHALDINIDE SYSTEMS
J AMER CHEM SOC 84 4408/4410 1962
BY ZANDSTRA P J
WEISSMAN
INSTRUMENT AF/AFOSR /0365/62
PROJ/TASK 9767 01

AFOSRJ 147
MULL U ENGLAND
THE INHIBITION OF THE HYDROGEN - OXYGEN REACTION BY
FORMALDEHYDE
TRANS OF THE PARADY SOC 98 1748/1801 SEP 1962
BY BALDWIN R R DDC NUMBER 416081
COWE R R INSTRUMENT AF 61<052>00062
PROJ/TASK 9750 02

AFOSRJ 149
CALIFORNIA U LOS ANGELES
SYNTHESIS OF OPTIMUM MULTIVARIABLE CONTROL SYSTEMS BY THE
METHOD OF STEEPEST DESCENT
TRANS OF AIEE 61/115 JAN 1963
BY HAICH M C DDC NUMBER 400377
INSTRUMENT AF/AFOSR /0068/62
PROJ/TASK 9749 01

AFOSRJ 152
HEBREW U JERUSALEM ISRAEL
REVIEW OF THE RESEARCH IN PROGRESS IN THE VACUUM ULTRAVIOLE
J QUANT SPECTROSCOPY 2 725/728 1962
BY ALEXANDER R DDC NUMBER 400065
FRANKEL H S INSTRUMENT AF/EOAR /0033/62
FELDMANN V PROJ/TASK 9761 03
JACOBS A
KAROVKY J

AFOSRJ 153
MASSACHUSETTS INST OF TECH CAMBRIDGE
SEMICLASSICAL DISPERSION THEORY OF INTERBAND MAGNETO/OPTICA
PHYS REV 128 2655/2660 DEC 1962
BY KOLODZIEJCZAK J DDC NUMBER 400092
LAX B INSTRUMENT AF 19<604>07344
NISHINA Y PROJ/TASK 9764 00

AFOSRJ 157
MASSACHUSETTS INST OF TECH CAMBRIDGE
HIGH-FIELD SUPERCONDUCTIVITY IN NIOBIUM
PHYS REV LETS 9 489/493 DEC 1962
BY AUTLER S N DDC NUMBER 400092
POSENBLUM E S INSTRUMENT AF 19<604>07344
GOOEN K M PROJ/TASK 9764 00

AFOSRJ 158
ROCHESTER U N Y
RELATION BETWEEN ABSORPTION AND EMISSION PROBABILITIES IN
LUMINESCENT CENTERS IN IONIC SOLIDS
PHYS REV 128 2154/2165 DEC 1962
BY FOWLER W B DDC NUMBER 400091
DEXTER D L INSTRUMENT AF/AFOSR /0145/62
PROJ/TASK 9761 01

AFOSRJ 159
NORTH CAROLINA U CHAPEL HILL
DETECTION OF NUCLEAR DISINTEGRATIONS PRODUCED BY 139S
BY PROTONS IN SILVER CHLORIDE SINGLE CRYSTALS
PHYS REV LETS 9 294 295 OCT 1962
BY CHILDS C B DDC NUMBER 400086
BLIFKIN L INSTRUMENT AF 49<638>00865
PROJ/TASK 9761 03

AFOSRJ 161
MELLON INST OF INDUSTRIAL RESEARCH PITTSBURGH PA
DENSITY AND EXPANSIVITY OF SOLID XENON
J CHEM PHYS 37 902 3006 DEC 1962
BY SPARS D B DDC NUMBER 400845
KLUG W P INSTRUMENT AF 49<638>00575
PROJ/TASK 9760

AFOSRJ 162
YESHIVA U NEW YORK N Y
CLASSICAL RADIATION RECOIL
PHYS REV 128 2471/2475 DEC 1962
BY PFEIS A DDC NUMBER 400066
INSTRUMENT AF/AFOSR /0036/62
PROJ/TASK 9751 03

AFOSRJ 163
ROCHESTER U N Y
SUPERCONDUCTIVITY IN THE CASE OF OVERLAPPING BANDS
PHYS REV 128 1538/1539 NOV 1962
BY SUFFCZYNSKI M DDC NUMBER 400089
INSTRUMENT AF/AFOSR /0145/62
PROJ/TASK 9761 01

AFOSRJ 164
COLUMBIA U NEW YORK N Y
DEFORMATION AND FRACTURE OF POLYCRYSTALLINE CADMIUM
TRANS METALLURGICAL SOC OF AIME 227 70/80 FEB 1963
BY STOLOFF M S DDC NUMBER 400088
GINSBERG M INSTRUMENT AF 49<638>00408
PROJ/TASK 9763 01

AFOSRJ 165
INST FOR SCIENTIFIC INFORMATION PHILADELPHIA PA
A POSSIBLY INEXPENSIVE ATTACHMENT FOR A MICROFILM READER
TO PERMIT SYNCHRONIZED COORDINATE SEARCHING
J CHEM DOCUMENTATION 1 29/32 JAN 1963
BY OCONNOR J DDC NUMBER 400090
INSTRUMENT AF/AFOSR /0257/62
PROJ/TASK 9769 02

AFOSRJ 166
COLUMBIA U NEW YORK N Y
MICROWAVE SPECTRUM OF BROMOCYCLOBUTANE
J CHEM PHYS 36 2931/2940 1962
BY DAILY B P DDC NUMBER 400098
ROTHSCHILD W G INSTRUMENT AF 49<638>00953
PROJ/TASK 9763

AFOSRJ 167
ROCKFORD RESEARCH INST CAMBRIDGE MASS
THE REACTIVE TYPEWRITER PROGRAM
COMMUNICATIONS OF THE ACM 6 48 JAN 1963
BY MOFFERS C M DDC NUMBER 400099
INSTRUMENT AF/AFOSR /0377/62
PROJ/TASK 9769 06

AFOSRJ 168
CALIFORNIA U BERKELEY
FIRST CALIFORNIA CONFERENCE ON VERBAL LEARNING AND VERBAL
BEHAVIOR
J VERBAL LEARNING AND VERBAL BEHAVIOR JAN 1963
BY POSTMAN J DDC NUMBER 400099
INSTRUMENT AF/AFOSR /0389/62
PROJ/TASK 9778 01

AFOSRJ 169
BRUSSELS FREE U BELGIUM
AUDITORY/EVOKED POTENTIALS FROM COCHLEA TO CORTER AS
INFLUENCED BY ACTIVATION OF THE EFFERENT OLIVO/COCHLEAR
BUNDLE
ACOUSTICAL SOC OF AMER J 34 NO 9 1478/1496 SEP
1962
BY DESMEDT J F DDC NUMBER 400431
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 170
BRUSSELS FREE U BELGIUM
EFFERENT OLIVO/COCHLEAR GATING OF ACOUSTIC INPUT AND THE
RESULTANT CHANGES IN AUDITORY CORTER POTENTIALS
J OF PHYSIOLOGY 165 33/34 1962 PROC OF "PHYSIOLOGICAL
SOC ROCHESTER N Y SEP 1962
BY DESMEDT J F DDC NUMBER 400432
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 171
BRUSSELS FREE U BELGIUM
THE PHARMACOLOGY OF A CENTRIFUGAL INHIBITORY PATHWAY IN THE
CATS ACOUSTIC SYSTEM
1ST INTL PHARMACOLOGICAL MEETING PERGAMON PRESS B 1962
BY DESMEDT J F DDC NUMBER 400433
MONACO P INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 172
CALIFORNIA U LOS ANGELES
THE PHYSIOLOGIC BASIS OF CARDIAC ARREST DURING ANESTHESIA
AMER J OF SURGERY 100 354/357 AUG 1960
BY PORTER R W DDC NUMBER 400434
FRENCH J D INSTRUMENT AF 49<638>00686
PROJ/TASK 7164

AFOSRJ 173
CALIFORNIA U LOS ANGELES
EVOKED POTENTIALS IN THE HYPOTHALAMUS
AMER J OF PHYSIOLOGY 196 NO 6 1163/1167 JUN 1959
BY FELDMAN S DDC NUMBER 400426
VAN DER MEIDE C D INSTRUMENT AF 49<638>00686
PORTER R W PROJ/TASK 7164

AFOSRJ 174
OXFORD U ENGLAND
BIOLOGICAL INACTIVATION BY AMINE OXIDASES AND TIME COURSES
OF DRUG ACTION
1ST INTL PHARMACOLOGICAL MEETING LEIDEN 6 PERGAMON
PRESS 1962
BY BLASCHKO M DDC NUMBER 400428
INSTRUMENT AF/EOAR /0080/62
PROJ/TASK 9777 01

AFOSRJ 175
EDINBURGH U SCOTLAND
VASCULAR RESPONSES OF THE RAT TO BRADYKININ
BRITISH J OF PHARMACOLOGY - CHEMOTHERAPY 19 NO 3
503/507 DEC 1962
BY LLOYD S DDC NUMBER 400427
INSTRUMENT AF/EOAR /0079/62
PROJ/TASK 9777 01

AFOSRJ 176
OXFORD U ENGLAND
POTENTIATION OF THE RESPONSE TO HISTAMINE BY PICOLYLAMINES
BRITISH J OF PHARMACOLOGY - CHEMOTHERAPY 19 NO 3
544/551 DEC 1962
BY BLASCHKO M DDC NUMBER 400429
KURRERA S INSTRUMENT AF/EOAR /0080/62
PROJ/TASK 9777 01

AFOSRJ 177
UPPSALA U SWEDEN
EXCITABILITY PHENOMENA IN ARTIFICIAL MEMBRANES
U S BIOPHYSICAL J 2 NO 2 27/25 1962 PART 2
SUPPLEMENT
BY TEORELL T DDC NUMBER 400430
INSTRUMENT AF 61<052>00363
PROJ/TASK 9777 01

AFOSRJ 178
WEIZMAN INST OF SCIENCE REMOVOTH ISRAEL
PHOTOPHOSPHORYLATION AS A TOOL FOR THE SYNTHESIS OF
SPECIFICALLY LABELED NUCLEOTIDES
ANALYTICAL BIOCHEMISTRY 60 S 6 2 535/543 DEC 1961
BY AVRON M DDC NUMBER 400458
INSTRUMENT AF 61<052>00390
PROJ/TASK 9777 01

AFOSRJ 179
BRUSSELS FREE U BELGIUM
ON THE OCCURRENCE OF BACTERIAL MUTATIONS PERMITTING
LYSOGENIZATION BY CLEAR VARIANTS OF TEMPERATE
BACTERIOPHAGES
J OF MOLECULAR BIOLOGY 5 373/374 1962
BY THOMAS R DDC NUMBER 400461
LAMBERT L INSTRUMENT AF/EOAR /0017/62
PROJ/TASK 9777 01

AFOSRJ 180
TOULOUSE U FRANCE
LA REGULATION DES VOLUMES LIQUIDIENS
CARIERS D ANESTHESIOLOGIE 10 NO 2 159/185 1962
BY BAISSSET A DDC NUMBER 400460
MONTASTRUC P INSTRUMENT AF 61<052>00411
PROJ/TASK 9777 01

AFOSRJ 181
TOULOUSE U FRANCE
RECHERCHES SUR LA REGULATION VOLUMETRIQUE DE LA SECRETION
DE L ALDOSTERONE
ANNALES D ENDOCRINOLOGIE 25 NO 2 419/424 1962
BY BAISSEY A DDC NUMBER 400052
DOUSTE/BLAZY L INSTRUMENT AF 61<052>00411
MONTASTRUC P PROJ/TASK 9777 01
VALDIGUIE P

AFOSRJ 182
PITTSBURGH U PA
INTERMETALLIC COMPOUNDS BETWEEN LANTHANONS AND TRANSITION
METALS OF THE FIRST LONG PERIOD
J PHYS CHEM SOLIDS PERGAMON PRESS 16 129/130 1960
BY WALLACE W F DDC NUMBER 400076
INSTRUMENT AF 49<630>00979
PROJ/TASK 9710 02

AFOSRJ 183
COLUMBIA U NEW YORK N Y
DISORIENTATION CROSS SECTIONS IN OPTICAL PUMPING
J CHEM PHYS 37 2726/2727 1962
BY MCNEAL R J DDC NUMBER 400071
INSTRUMENT AF 49<630>00785
PROJ/TASK 9760 02

AFOSRJ 184
SOUTHAMPTON U ENGLAND
THE REACTION OF TITANIUM HALIDES WITH TERTIARY AMINES
J CHEM SOC 5 33/38 1963
BY FOWLES G W A DDC NUMBER 400072
HOODLESS R A INSTRUMENT AF/EOAR /0040/62
PROJ/TASK 9710 02

AFOSRJ 185
PRINCETON U N J
VISUAL VELOCITY DISCRIMINATION. EFFECTS OF SPATIAL AND
TEMPORAL CUES 6 OCTOBER 1962
SCIENCE 30 437/438 OCT 1962
BY NOTTERMAN J M DDC NUMBER 400178
WINTZ D F INSTRUMENT AF 49<630>00381
MANDRIOTA J S PROJ/TASK 9778 01

AFOSRJ 186
NORTH CAROLINA U CHAPEL HILL
ON THE THEOREMS OF PERRON AND PROBENIUS ON NON/NEGATIVE
MATRICES
STUD IN MATH ANA AND RELATED TOPICS 48/55 1962
BY BRAUER A DDC NUMBER 400177
INSTRUMENT AF 18<603>00038
PROJ/TASK 9749 01

AFOSRJ 187
MASSACHUSETTS INST OF TECH CAMBRIDGE
ON SHEAR/LAYOFF INSTABILITY, BREAKDOWN AND TRANSITION
J OF FLUID MECHANICS 15 133/133 JULY 1962
BY GREENSPAN M P DDC NUMBER 400176
BERNEY INSTRUMENT AF 49<630>00708
PROJ/TASK 9749 01

AFOSRJ 188
GENERAL ELECTRIC CO PHILADELPHIA PA
ARE ZERO VELOCITY CURVES ORBITS
ARS J 32 NO 12 1938/1939 DEC 1962
BY SZEBENEVY V G DDC NUMBER 400175
INSTRUMENT AF 49<630>00814
PROJ/TASK 9749 01

AFOSRJ 189
RUTGERS STATE U NEW BRUNSWICK N J
NUCLEAR MAGNETIC RESONANCE OF K3 129 IN NATURAL KENOM
PHYS REV 121 20/25 JAN 1961
BY STREEVER R L DDC NUMBER 428414
CARR W INSTRUMENT AF 49<630>00755
PROJ/TASK 9761 03

AFOSRJ 190
MASSACHUSETTS INST OF TECH CAMBRIDGE
A CRITERION FOR THE EXISTENCE OF INERTIAL BOUNDARY LAYERS
IN OCEANIC CIRCULATION
PROC NATL ACAD SCI 48 NO 12 2034/2039 DEC 1962
BY GREENSPAN M P DDC NUMBER 400172
INSTRUMENT AF 49<630>00708
PROJ/TASK 9749 01

AFOSRJ 191
PISA U ITALY
ELECTRORETINOGRAPHIC RESPONSES TO POLARIZED LIGHT IN THE
WOLF/SPIDER, ARCTOSA VARIANA C. L. KOCK
PAPPRINTYIA 18 511 1962
BY MAGNI P DDC NUMBER 400462
PAPI P INSTRUMENT AF 61<052>00107
SAVELY M E PROJ/TASK 9777 01
YONGIORGI P

AFOSRJ 194
PISA U ITALY
THE MIDPONTINE PRETRIGEMINAL CAT
ARCHIVES INTERNATIONALES DE PHARMACODYNAMIE ET DE THERAPIE
ET DE THERAPIE 140 PACA 1/2 227/230 NOV 1962
BY MORUZZI G DDC NUMBER 400179
INSTRUMENT AF 61<052>00107
PROJ/TASK 9777 01

AFOSRJ 195
PISA U ITALY
DIFFERENCES IN CORTICAL ACTIVITY DURING DESYNCHRONIZED
SLEEP AND AROUSAL
PROC INTL UNION OF PHYSIOLOGICAL SCIENCES XXII INTL CONG
LEIDEN 1962
BY ARDUINI A DDC NUMBER 400182
INSTRUMENT AF 61<052>00107
PROJ/TASK 9777 01

AFOSRJ 196
GENOA U ITALY
STUDIO DEI MECCANISMI DEL SONNO NEL GATTO. EFFETTI
ELETTROENCEFALOGRAFICI DI LESIONI UNILATERALI
DAL BOLLETTINO DELLA SOCIETA ITALIANA DI BIOLOGIA
SPERIMENTALE 38 1137/1141 1962
BY MINOMI K INSTRUMENT AF 61<052>00461
CANDIA O PROJ/TASK 9777 01
ROSSI G F

AFOSRJ 197
GENOA U ITALY
PERSISTENTE INSONNIA DA LESIONI CHIRURGICHE SPERIMENTALI
DEL PONTE
DAL BOLLETTINO DELLA SOCIETA ITALIANA DI BIOLOGIA
SPERIMENTALE 38 1139/1141 1962
BY CANDIA O INSTRUMENT AF 61<052>00461
MINOME K PROJ/TASK 9777 01
ROSSI G F

AFOSRJ 198
CORNELL U ITHACA N Y
FERMENTATION
PHYSIOLOGY - BIOCHEMISTRY OF ALGAE 91/97 ACADEMIC PRESS
NEW YORK 1962
BY GIBBS M DDC NUMBER 400181
INSTRUMENT AF 49<630>00798
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CORNELL U ITHACA N Y
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PHYSIOLOGY - BIOCHEMISTRY OF ALGAE 61/90 ACADEMIC PRESS
NEW YORK 1962
BY GIBBS M DDC NUMBER 400180
INSTRUMENT AF 49<630>00798
PROJ/TASK 9777 01

AFOSRJ 200
LEICESTER U ENGLAND
THE INFLUENCE OF GROWTH SUBSTRATES ON OXALOACETATE FORMATIO
FROM BETA/HYDROXYASPARATE BY MICROCOCCUS DENITRIFICANS
BIOCHIM BIOPHYS ACTA 65 378/380 1962
BY KORNBERG M L DDC NUMBER 400057
MORRIS J G INSTRUMENT AF/EOAR /0077/62
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AFOSRJ 201
LEICESTER U ENGLAND
ENZYMIC FORMATION OF OXALOACETATE FROM ERYTHRO BETA/
HYDROXYASPARTATE
BIOCHIM BIOPHYS ACTA 56 537/540 1962
BY KORNBERG M L DDC NUMBER 400058
MORRIS J G INSTRUMENT AF/EOAR /0077/62
PROJ/TASK 9777 01

AFOSRJ 202
STOCKHOLM U SWEDEN
OBSERVATIONS ON PIGEONS WITH PRETHALAMIC RADIOLESIONS IN TH
NERVOUS PATHWAYS FROM THE TELENCEPHALON
ACTA PHYSIOL SCAND 56 286/298 1962
BY AKERMAN R DDC NUMBER 400059
FABRICIUS F INSTRUMENT AF 61<052>00195
LARSSON B PROJ/TASK 9777 01
STEEN L

AFOSRJ 205
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
MEMORY FOR BRIGHTNESS. STIMULI OF SMALL SIZE, SURROUNDED B
DARK
ATTI DELLA FONDAZIONE GIORGIO RONCHI 17 NO 5 3/12
SEP / OCT 1962
BY CONTICELLI M DDC NUMBER 400064
INSTRUMENT AF/EOAR /0034/61
PROJ/TASK 9777 01

AFOSRJ 206
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
VISUAL EFFECTS PRODUCED BY A STIMULUS CONSISTING OF A NUMBE
OF BLACK LINE SEGMENTS VIEWED ON A BRIGHT BACKGROUND
ATTI DELLA FONDAZIONE GIORGIO RONCHI 17 NO 5 507/522
SEP / OCT 1962
BY RONCHI L DDC NUMBER 400446
BOTTAI G INSTRUMENT AF/EOAR /0034/61
PROJ/TASK 9777 01

AFOSRJ 206
COMMUNICATION RESEARCH INST MIAMI FLA
DISTRESS CALL OF THE BOTTLENOSE DOLPHIN. STIMULI AND
EVOKED BEHAVIORAL RESPONSES
SCIENCE 138 NO 3590 116/118 JAN 1963
BY LILLY J C DDC NUMBER 400444
INSTRUMENT AF/AFOSR /0062/61
PROJ/TASK 9777 01

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COMMUNICATION RESEARCH INST MIAMI FLA
VOCAL BEHAVIOR OF THE BOTTLENOSE DOLPHIN
PROC AMER PHILOSOPHICAL SOC 106 NO 6 520/529 DEC
1962
BY LILLY J C DDC NUMBER 400179
INSTRUMENT AF/AFOSR /0062/61
PROJ/TASK 9777 01

AFOSRJ 208
LONDON U ENGLAND
CORRELATED ORIENTATION SOUNDS AND EAR MOVEMENTS OF
HORSESHOE BATS
NATURE 196 NO 4860 1185/1188 DEC 1962
BY PYE J D DDC NUMBER 400178
FLINN M INSTRUMENT AF/EOAR /0040/61
PYE A PROJ/TASK 9777 01

AFOSRJ 209
GOTEBORG U SWEDEN
CHANGES IN THE BASE COMPOSITION OF NUCLEAR RIBONUCLEIC ACID
OF NEURONS DURING A SHORT PERIOD OF ENHANCED PROTEIN
PRODUCTION
J OF CELL BIOLOGY 15 NO 1 37/44 1962
BY HYDEN M DDC NUMBER 299893
EGYMAZI F INSTRUMENT AF/EOAR /0029/62
PROJ/TASK 9777 01

APOSRJ 210
KAROLINSKA INST STOCKHOLM SWEDEN
STUDIES ON THE ULTRASTRUCTURE OF DENTAL ENAMEL / VI. THE
ORIENTATION OF THE APATITE CRYSTALLITES AS DEDUCED FROM
X-RAY DIFFRACTION
ARCH ORAL BIOL 7 91/104 1962
BY GLAS J F
DOC NUMBER 400435
INSTRUMENT AF 61<052>00386
PROJ/TASK 9777 01

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KAROLINSKA INST STOCKHOLM SWEDEN
STUDIES ON THE ULTRASTRUCTURE OF DENTAL ENAMEL / VI.
CRYSTAL CHEMISTRY OF SHARKS TEETH
ODONTOLOGISK REVY 13 NO 4 315/326 1962
BY GLAS J F
DOC NUMBER 400171
INSTRUMENT AF 61<052>00386
PROJ/TASK 9777 01

APOSRJ 212
TEXAS U MEDICAL BRANCH GALVESTON
GANGLIONIC TRANSMISSION DURING THE NEOSTIGMINE PRESSOR
RESPONSE
22ND INTL CONGRESS IN LEIDEN INTL UNION OF PHYSIOL
SCIENCES 2 176 1962
BY MILTON J G
DOC NUMBER 400436
INSTRUMENT AF/APOSR /0241/62
PROJ/TASK 9777 01

APOSRJ 213
HARVARD U CAMBRIDGE MASS
PHARMACOLOGICAL CONTROL OF THE SECRETION OF ACTH
BIOCHEM PHARMACOLOGY 8 NO 1 PERGAMON PRESS 151 INTL
PHARM MTG STOCKHOLM AUG 1962
BY MUNSON P L
DOC NUMBER 400437
INSTRUMENT AF 49<638>00740
PROJ/TASK 9777 01

APOSRJ 214
HARVARD U CAMBRIDGE MASS
ENDOCRINE PHARMACOLOGY. SELECTED TOPICS
ANNUAL REV OF PHARMACOLOGY 1 915/950 1961
BY MUNSON P L
DOC NUMBER 400050
INSTRUMENT AF 49<638>00740
PROJ/TASK 9777 01

APOSRJ 215
BRUSSELS FREE U BELGIUM
LA SYNTHÈSE DES ACIDES DESOXYRIBONUCLEIQUES CHEZ
ESCHERICHIA COLI INFECTE PAR UN BACTERIOPHAGE TEMPERE. IV.
REPLICATION GÉNÉTIQUE SOUS INHIBITION DE LA SYNTHÈSE DES
PROTEINES ET DES ACIDES RIBONUCLEIQUES
ARCH INTERNATIONALES DE PHYSIOLOGIE ET DE BIOCHIMIE 71
NO 1 133/137 1963
BY DA SILVA L M P
THOMAS R
INSTRUMENT AF/EOAR /0017/62
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APOSRJ 216
BRUSSELS FREE U BELGIUM
LA SYNTHÈSE DES ACIDES DESOXYRIBONUCLEIQUES CHEZ ESCHERICHIA
COLI INFECTE PAR UN BACTERIOPHAGE TEMPERE. III. ASSOCIATION
PAR UN CHANGEMENT DE MILIEU, DE LA SYNTHÈSE DES ACIDES
DESOXYRIBONUCLEIQUES ET DES ACIDES RIBONUCLEIQUES
ARCH INTERNATIONALES DE PHYSIOLOGIE ET DE BIOCHIMIE 71
NO 1 133/135 1963
BY PEREIRA DA SILVA L M
THOMAS R
INSTRUMENT AF/EOAR /0017/62
PROJ/TASK 9777 01

APOSRJ 217
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
CREEP ANALYSIS OF ANNULAR PLATES
J FRANKLIN INST 13/23 JAN 1963
BY VENKATRAMAN B
PATEL S A
INSTRUMENT AF/APOSR /0200/62
PROJ/TASK 9782 01

APOSRJ 218
HARVARD U CAMBRIDGE MASS
VARIATIONAL FORMULATIONS OF EQUILIBRIUM STATISTICAL
MECHANICS
J OF MATH PHYS 3 983/1002 SEPT /OCT 1962
BY DE DOMINICIS C
INSTRUMENT AF 49<630>00589
PROJ/TASK 9751 01

APOSRJ 220
TEXAS A AND M RESEARCH FOUNDATION COLLEGE STATION
NUCLEAR MAGNETIC RELAXATION OF A THREE-SPIN ASYMMETRIC
MOLECULE IN A LIQUID
PHYS REV 126 1054/1056 MAY 1962
BY KATTAUAR G W
EISNER M
DOC NUMBER 400439
INSTRUMENT AF/APOSR /0151/62
PROJ/TASK 9767 01

APOSRJ 221
CAMBRIDGE U ENGLAND
ANOMALOUS SINGULARITIES IN PHYSICAL REGIONS
PHYS LETS 3 116/117 15 DEC 1962
BY LAZDUSHOFF P V
DOC NUMBER 400440
INSTRUMENT AF/EOAR /0079/63
PROJ/TASK 9751 01

APOSRJ 222
WESTERN ONTARIO U LONDON CANADA
LABORATORY ASTROPHYSICS
J QUANT SPECTROSC RADIAT TRANSFER 2 433/439 1962
BY NICHOLLS R W
DOC NUMBER 299880
INSTRUMENT AF/APOSR /0236/62
PROJ/TASK 9767 02

APOSRJ 223
WESTERN ONTARIO U LONDON CANADA
FRACKE/CONDON FACTORS AND RYMETROIDS TO HIGH VIBRATIONAL
QUANTUM NUMBERS FOR THREE BAND SYSTEMS OF CO- AND ABSOLUTE
BAND STRENGTHS FOR THE COMET/TAIL SYSTEM
CANADIAN J PHYS 40 1772/1783 1962
BY NICHOLLS R W
DOC NUMBER 400442
INSTRUMENT AF/APOSR /0236/62
PROJ/TASK 9767 02

APOSRJ 224
HARVARD U CAMBRIDGE MASS
GAUGE INVARIANCE AND MASS. II
PHYS REV 128 2425/2429 DEC 1962
BY SCHWINGER J
DOC NUMBER 400443
INSTRUMENT AF 49<638>00589
PROJ/TASK 9751 01

APOSRJ 225
PITTSBURGH U PA
MAGNETIC CHARACTERISTICS OF SOME INTERMETALLIC COMPOUNDS
BETWEEN MANGANESE AND THE LANTHANIDE METALS
J APPLIED PHYS 32 3605/4915 MAR 1961
BY WALLACE W F
INSTRUMENT AF 49<638>00979
PROJ/TASK 9710 02

APOSRJ 226
BARCELONA U SPAIN
OBSERVABLES OF RELATIVISTIC PARTICLES
AMER J PHYS 30 887/890 DEC 1962
BY GARRIDO L M
SEFSA J
INSTRUMENT AF/EOAR /0089/62
PROJ/TASK 9767 03

APOSRJ 230
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
CREEP OF COMPRESSIBLE CIRCULAR PLATES
INTL J MECH SCI 5 77/85 1963
BY PATEL S A
COZZARELLI F A
VENKATRAMAN B
DOC NUMBER 400445
INSTRUMENT AF/APOSR /2001/62
PROJ/TASK 9782 01

APOSRJ 231
STANFORD U CAL
THE RESCATTERING CORRECTION TO THE DEUTERON
ELECTRODISINTEGRATION
IL NUOVO CIMENTO 26 604/612 NOV 1962
BY ROSCO B
DE BAR R B
DOC NUMBER 400853
INSTRUMENT AF 49<638>00388
PROJ/TASK 9751 01

APOSRJ 232
STANFORD U CAL
HIGH-FREQUENCY REGION OF THE SPECTRUM OF ELECTRON AND
POSITION BREMSSTRAHLUNG
PHYS REV 129 184/190 JAN 1963
BY JARRUS R J
PRATT R W
DOC NUMBER 400852
INSTRUMENT AF 49<638>00388
PROJ/TASK 9751 01

APOSRJ 233
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
A COMPARISON BETWEEN FOVEAL AND PERIPHERAL FLICKER
SENSITIVITY FOR COLORED LIGHTS, AT PHOTOPIC LEVELS
ATTI DELLA FONDAZIONE GIORGIO RONCHI 17 NO 6 623/627
NOV / DEC 1962
BY BITTINI M
DOC NUMBER 400850
INSTRUMENT AF/EOAR /0034/61
PROJ/TASK 9777 01

APOSRJ 234
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
QUANTITATIVE ASPECTS OF THE BLUR/TO/SHARP TRANSITION
ATTI DELLA FONDAZIONE GIORGIO RONCHI 17 NO 6 646/670
NOV / DEC 1962
BY RONCHI L
DOC NUMBER 400848
INSTRUMENT AF/EOAR /0034/61
PROJ/TASK 9777 01

APOSRJ 235
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
RED AND BLUE ELECTRORETINOGRAMS AT VARIOUS LUMINANCES
ATTI DELLA FONDAZIONE GIORGIO RONCHI 17 NO 6 628/637
NOV / DEC 1962
BY ERCOLES A M
DOC NUMBER 400847
INSTRUMENT AF/EOAR /0034/61
PROJ/TASK 9777 01

APOSRJ 236
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
VISIBILITY OF A STEADILY FLICKERED OR STABILIZED TEST OBJECT
AS A FUNCTION OF EXCENTRICITY
ATTI DELLA FONDAZIONE GIORGIO RONCHI 17 NO 6 638/645
NOV / DEC 1962
BY ERCOLES A M
FIORENTINI A
DOC NUMBER 400870
INSTRUMENT AF/EOAR /0034/61
PROJ/TASK 9777 01

APOSRJ 237
PENNSYLVANIA U PHILADELPHIA
A TRANSLATION TECHNIQUE FOR LANGUAGES WHOSE SYNTAX IS
EXPRESSIBLE IN EXTENDED BACKUS NORMAL FORM
PROC OF SYMPOSIUM INTERNAL COMPUTATION CENTER ROME
GORDON - BREACH PUBLISHER 23/64 26/31 MAR 1962
BY INGERMAN P Z
DOC NUMBER 407528
INSTRUMENT AF 49<638>00951
PROJ/TASK 9769 02

APOSRJ 238
CALIFORNIA INST OF TECH PASADENA
CELL FOR X-RAY DIFFRACTION STUDIES OF ABSORBING LIQUIDS
REV OF SCIENTIFIC INSTRUMENTS 33 1649/1670 1962
BY RODRIGUEZ S E
PINGS C J
DOC NUMBER 400872
INSTRUMENT AF/APOSR /0141/62
PROJ/TASK 9760 01

APOSRJ 239
HARVARD U CAMBRIDGE MASS
AN ELECTRON IMPACT STUDY OF 1,1,1-TRIFLUOROETHANE, 1,1,1-
TRIFLUOROPROPANE AND 3,3,3-TRIFLUOROPROPENE
J AMER CHEM SOC 84 3650/3654 1962
BY STEELE W C
STONE F G A
INSTRUMENT AF 49<638>00518
PROJ/TASK 9762

AFOSRJ 240
HARVARD U CAMBRIDGE MASS
SILICON/SILICON BOND DISSOCIATION ENERGIES IN DISILANE AND
METHYLCYCLOTRISILANE
J AMER CHEM SOC 84 3599 1962
BY STEELE W C
STONE P G A
INSTRUMENT AF 49<638>00518
PROJ/TASK 9762

AFOSRJ 241
BUFFALO U N Y
DIELECTRIC CONSTANT OF HYDROGEN-BONDED LIQUIDS. I.
CYANOACETYLENE
J CHEM PHYS 38 6972 1963
BY DANHAUISFR W
DDC NUMBER 400849
INSTRUMENT AF 49<638>00939
PROJ/TASK 9760 03

AFOSRJ 242
WESTERN ONTARIO U LONDON CANADA
PHOTOCHEMICAL SYNTHESIS 5, SULPHENES AND PHOTOCHEMICAL
INTERMEDIATES
CANADIAN J OF CHEM 41 100 1963
BY KING J P
DEWATO P
MORVED F
SATTER A B W A
STOESSI A
DDC NUMBER 400847
INSTRUMENT AF/AFOSR /0006/61
PROJ/TASK 9762 03

AFOSRJ 243
MINNESOTA U MINNEAPOLIS
POLAROGRAPHIC STUDY OF THE MOLYBDENUM CATALYZED REDUCTION OF
CHLORATE, PERCHLORATE AND NITRATE
J ELECTROANAL CHEM 5 2716 1963
BY KOLTHOFF I M
MODARA K I
DDC NUMBER 400871
INSTRUMENT AF 49<638>00519
PROJ/TASK 9763

AFOSRJ 244
DOCUMENTATION INC BETHESDA MD
A NOTE ON OBVERSION
MIND 6716 541/542 OCT 1962
BY JONES R M
INSTRUMENT AF 49<638>01146
PROJ/TASK 9769 06

AFOSRJ 245
PENNSYLVANIA U PHILADELPHIA
MECHANICAL PRAGMATICS. A TIME/MOTION STUDY OF A MINIATURE
MECHANICAL LINGUISTIC SYSTEM
COMMUNICATIONS OF THE ACM 5 576/589 DEC 1962
BY GORN S
DDC NUMBER 407529
INSTRUMENT AF 49<638>00951
PROJ/TASK 9769 02

AFOSRJ 246
NEW YORK STATE PSYCHIATRIC INST NEW YORK
GLUTAMIC ACID METABOLISM IN BRAIN AND LIVER DURING INFUSION
WITH AMMONIA LABELLED WITH NITROGEN EQUAL 15
NATURE 189 NO 4761 326 JAN 1961
BY TAKAGAKI G
BERL S
CLARKE D D
PURPURA D P
WAELSCH M
DDC NUMBER 400874
INSTRUMENT AF 49<638>00725
PROJ/TASK 9777 01

AFOSRJ 247
NEW YORK STATE PSYCHIATRIC INST NEW YORK
INCORPORATION OF HISTAMINE INTO LIVER PROTEIN IN VIVO
NATURE 191 NO 4794 1204/1205 SEP 1961
BY WAJDA I
GINSBURG M
WAELSCH M
DDC NUMBER 400873
INSTRUMENT AF 49<638>00725
PROJ/TASK 9777 01

AFOSRJ 248
NEW YORK STATE PSYCHIATRIC INST NEW YORK
RATE OF CO2 FIXATION IN BRAIN AND LIVER
LIFE SCIENCES NO 10 533/539 1962 PERGAMON PRESS INC
BY ROSSI C A
BERL S
CLARKE D D
PURPURA D P
WAELSCH M
INSTRUMENT AF 49<638>00725
PROJ/TASK 9777 01

AFOSRJ 249
NEW YORK STATE PSYCHIATRIC INST NEW YORK
CARBON DIOXIDE FIXATION IN THE BRAIN
J BIOL CHEM 237 NO 8 2570/2575 AUG 1962
BY BERL S
TAKAGAKI G
CLARKE D D
WAELSCH M
DDC NUMBER 400849
INSTRUMENT AF 49<638>00725
PROJ/TASK 9777 01

AFOSRJ 250
NEW YORK STATE PSYCHIATRIC INST NEW YORK
METABOLIC COMPARTMENTS IN VIVO / AMMONIA AND GLUTAMIC ACID
METABOLISM IN BRAIN AND LIVER
J BIOL CHEM 237 NO 8 2562/2569 AUG 1962
BY BERL S
TAKAGAKI G
CLARKE D D
WAELSCH M
DDC NUMBER 400851
INSTRUMENT AF 49<638>00725
PROJ/TASK 9777 01

AFOSRJ 251
CALIFORNIA U LA JOLLA
COMPARATIVE SPECTRA OF MICROSETHS AND SWELL
BUL SEIS SOC OF AMER 53 27/37 JAN 1963
BY HAUBRICH R A
MUNK W H
SNODGRASS F E
DDC NUMBER 400864
INSTRUMENT AF 49<638>00905
PROJ/TASK 9774 03

AFOSRJ 252
YALE U NEW HAVEN CONN
THEORETICAL VALUES FOR MAGNETIC MOMENTS OF MU/MESONIC ATOMS
PHYS REV 129 194/201 JAN 1963
BY FORD K W
HUGHES V W
DDC NUMBER 400863
INSTRUMENT AF 49<638>00545
PROJ/TASK 9767 03

AFOSRJ 253
CALIFORNIA INST OF TECH PASADENA
PROPAGATION OF ACOUSTIC/GRAVITY WAVES IN THE ATMOSPHERE
J OF GEOPHY RESCH 67 3889/3908 SEP 1962
BY PRESS F
HARRKRIEGER D R
DDC NUMBER 400866
INSTRUMENT AF 49<638>00910
PROJ/TASK 8652

AFOSRJ 254
CALIFORNIA INST OF TECH PASADENA
A REINTERPRETATION OF PHASE VELOCITY DATA BASED ON THE GNOM
TRAVEL TIME CURVES
BUL SEIS SOC OF AMER 52 1031/1035 DEC 1962
BY SMITH S W
DDC NUMBER 400865
INSTRUMENT AF 49<638>00910
PROJ/TASK 8652

AFOSRJ 256
HEBREW U JERUSALEM ISRAEL
THE STRUCTURE OF INTERPERSONAL BEHAVIOR IN THE DYAD
MATH METHODS IN SMALL GROUP PROC 1962
BY FOA U R
DDC NUMBER 407860
INSTRUMENT AF 61<052>00121
PROJ/TASK 9778 02

AFOSRJ 257
RENSSELAER POLYTECHNIC INST TROY N Y
PERIODIC RESPONSE AND SUPERPOSITION IN AN ON/OFF CONTROL
SYSTEM, OCT. 1962
J MATH ANAL AND APPL 5 NO 2 306/315 OCT 1962
BY FLEISHMAN R A
DDC NUMBER 400860
INSTRUMENT AF 49<638>00514
PROJ/TASK 9783

AFOSRJ 259
BRITISH COLUMBIA U VANCOUVER CANADA
ASYMPTOTIC VARIATIONAL FORMULAE FOR EIGENVALUES
CANADIAN MATH BULL 6 NO 1 JAN 1963
BY SWANSON C A
DDC NUMBER 400839
INSTRUMENT AF/AFOSR /0089/61
PROJ/TASK 9769 01

AFOSRJ 260
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
ON THE STABILITY OF TIME/VARYING LINEAR SYSTEMS
IRE TRANS ON CIRCUIT THEORY CT/9 420/422 1962
BY KALMAN R P
DDC NUMBER 400889
INSTRUMENT AF 49<638>00382
PROJ/TASK 9749 01

AFOSRJ 261
LEICESTER U ENGLAND
CRYSTALLINE L-ASPARTATE 4/CARBOXYLYASE
BIOCHIM BIOPHYS ACTA 67 345/348 1963
BY WILSON E W
DDC NUMBER 400841
INSTRUMENT AF/EOAR /0077/62
PROJ/TASK 9777 01

AFOSRJ 262
GENOVA U ITALY
COMPARTAMENTO DELL'ELETTROENCEFALOGRAFIA
DELL'ELETTROMIOGRAFIA E DELLA PRESSIONE ARTERIOSA DURANTE I
SONNO NEL CONIGLIO
DAL BOLLETTINO DELLA SOCIETA ITALIANA DI BIOLOGIA
SPERIMENTALE 38 1300/1302 1962
BY ROMANINI F
DE CAROLIS V
PASTORINO P
ROSSI G F
INSTRUMENT AF 61<052>00461
PROJ/TASK 9777 01

AFOSRJ 263
GENOVA U ITALY
SONNO SUPERFICIALE E SONNO PROFONDO NEL CANE. 6 STUDIO
ELTTROENCEFALOGRAFICO, ELECTTROMIOGRAFICO E PRESSORIO
DAL BOLLETTINO DELLA SOCIETA ITALIANA DI BIOLOGIA
SPERIMENTALE 38 1298/1300 1962
BY ROMANINI F
DE CAROLIS V
PASTORINO P
ROSSI G F
INSTRUMENT AF 61<052>00461
PROJ/TASK 9777 01

AFOSRJ 264
CALIFORNIA U BERKLEY
SOME OBSERVATIONS ON THE PHYSIOLOGICAL EFFECTS OF GASEOUS
IONS
INTL J BIOMETEOR 6 NO 1 33/40 1962
BY KRUEGER A P
KOTAKA S
ANDRIOSE P C
DDC NUMBER 400888
INSTRUMENT AF 49<638>00669
PROJ/TASK 9777

AFOSRJ 265
HEBREW U JERUSALEM ISRAEL
HYPERFINE INTERACTIONS IN THE GROUND STATE AND FIRST EXCITE
STATE OF ¹¹⁶Gd IN THULIUM IRON GARNET
PHYS LETRS 3 192/194 JAN 1963
BY NOWIK I
OFFER S
DDC NUMBER 400887
INSTRUMENT AF 61<052>00347
PROJ/TASK 9761 03

AFOSRJ 267
COLORADO U BOULDER
PARAMAGNETIC RESONANCE OF Mn²⁺ IN LIF
J CHEM PHYS 38 571/572 JAN 1963
BY CHANG T T
TANTTILA W H
DDC NUMBER 400886
INSTRUMENT AF/AFOSR /0344/62
PROJ/TASK 9763 01

AFOSRJ 268
CALIFORNIA U LA JOLLA
LOW-TEMPERATURE RESISTIVITY BEHAVIOUR OF MOLYBDENUM/IRON,
NIOBIUM/IRON AND PALLADIUM/IRON ALLOYS
PHILOSOPHICAL MAG 8 335/337 FEB 1963
BY COLES B R
DDC NUMBER 400884
INSTRUMENT AF/AFOSR /0344/62
PROJ/TASK 9761 02

AFOSRJ 269
CALIFORNIA U RIVERSIDE
INDIRECT EXCHANGE FERRIMAGNETISM IN INSULATORS
IL NUOVO CIMENTO 26 624/627 NOV 1962
BY CALLAWAY J DDC NUMBER 400884
INSTRUMENT AF/AFOSR /0318/62
PROJ/TASK 9761 01

AFOSRJ 270
ROCHESTER U N Y
ULTRAVIOLET ABSORPTION OF SOLID ARGON, KRYPTON AND XENON
PHYS REV 128 1562/1567 NOV 1962
BY BALDINI G DDC NUMBER 400882
INSTRUMENT AF/AFOSR /0145/62
PROJ/TASK 9761 01

AFOSRJ 271
PENNSYLVANIA STATE U UNIVERSITY PARK
OCCURRENCE OF H₂ IN THE FIELD IONIZATION OF HYDROGEN
J CHEM PHYS 37 2684/2687 DEC 1962
BY CLEMENTS T C DDC NUMBER 400883
MULLER F W INSTRUMENT AF/AFOSR /0096/62
PROJ/TASK 9761 01

AFOSRJ 272
MADRID U SPAIN
DILATACION TERMICA DEL ACIDO OXALICO DIMIDRATADO ENTRE 105
DEGREES C Y - 40 DEGREES C Y PRECESO DE DESHIDRATACION
ROL R SOC ESP HIST NAT 60 195/211 1962
BY NEIRA F DDC NUMBER 401098
CANUT M L INSTRUMENT AF/FOAR /0092/62
PROJ/TASK 9761 01

AFOSRJ 273
MADRID U SPAIN
SUPERFICIES DE CRISTALES. III. SUPERFICIES DE CRECIMIENTO Y
FRACURA EN LA PIRITA
ROL R SOC ESP HIST NAT 60 213/227 1962
BY AMOROS J L DDC NUMBER 401102
PASQUAL M T INSTRUMENT AF/FOAR /0092/62
PROJ/TASK 9761 01

AFOSRJ 274
MASSACHUSETTS INST OF TECH CAMBRIDGE
ZEEMAN AND UNIAXIAL STRESS SPECTRA OF CAF₂ 6E2-6
J CHEM PHYS 38 279/280 1963
BY BUNCIAN W A DDC NUMBER 400881
STAGER C V INSTRUMENT AF 194606507344
PROJ/TASK 9764 00

AFOSRJ 277
PENNSYLVANIA STATE U UNIVERSITY PARK
DIRECT OBSERVATION OF CRYSTAL IMPERFECTIONS BY FIELD ION
MICROSCOPY
IMPERFECTIONS IN CRYSTALS INTERSCIENCE PUB 77/99 1961
BY MULLER F W DDC NUMBER 400882
INSTRUMENT AF 4946038000504
PROJ/TASK 9761 01

AFOSRJ 278
HARVARD U CAMBRIDGE MASS
PHOTON CORRELATIONS
PHYS REV LETS 10 84/86 FEB 1963
BY GLAUBER R J DDC NUMBER 400880
INSTRUMENT AF 4946038000589
PROJ/TASK 9761 01

AFOSRJ 279
YALE U NEW HAVEN CONN
THE SEMICLASSICAL TREATMENT OF SOME QUANTUM PROBLEMS
ZEITSCHRIFT FUR PHYS 171 149/170 1963
BY BREIT G DDC NUMBER 400879
INSTRUMENT AF/AFOSR /0042/62
PROJ/TASK 9761 02

AFOSRJ 280
WASHINGTON STATE U PULLMAN
SUBSTITUENT EFFECTS IN PYROLYSIS. V. ALPHA/SIGMA PLUS
CORRELATION IN THE PYROLYSIS OF 1-ARYLETHYL ACETATES
J AMER CHEM SOC 84 4817/4824 1962
BY SMITH G G DDC NUMBER 415329
TAYLOR R INSTRUMENT AF 4946038000616
WETZEL W INSTRUMENT AF/AFOSR /0006/62
PROJ/TASK 9760

AFOSRJ 281
WESTERN ONTARIO U LONDON CANADA
PHOTOCHEMICAL SYNTHESIS. 6. THE FORMATION OF HEPTANONES
FROM ACETYLACETONE AND ALKENES
CANADIAN J OF CHEM 41 440/449 1963
BY DEMAYO P DDC NUMBER 400848
YAKUSHITA H INSTRUMENT AF/AFOSR /0006/62
PROJ/TASK 9762 01

AFOSRJ 282
MISSISSIPPI U UNIVERSITY
TEMPERATURE CONTROL ATTACHMENTS FOR VARIABLE AND FIXED
PATHLENGTH INFRARED CELLS
CANADIAN J CHEM 41 812/814 1963
BY DE HAINE P A D DDC NUMBER 400877
INSTRUMENT AF/AFOSR /0019/62
PROJ/TASK 9710 01

AFOSRJ 283
WESTERN RESERVE U CLEVELAND OHIO
ISOLATION OF VASOPRESSIN/CONTAINING GRANULES FROM THE
NEUROPHYSIOLOGY OF THE DOG
BIOCHEM BIOPHYS ACTA 50 386/389 1961
BY WEINSTEIN H DDC NUMBER 400878
MALAMED S INSTRUMENT AF 4946038000764
SACHS H INSTRUMENT AF/AFOSR /0006/62
PROJ/TASK 9777 01

AFOSRJ 284
WESTERN RESERVE U CLEVELAND OHIO
INACTIVATION OF ARGININE VASOPRESSIN BY RAT/KIDNEY SLICES
BIOCHEM J 79 667/669 1961
BY SMITH M W DDC NUMBER 400876
SACHS H INSTRUMENT AF 4946038000764
INSTRUMENT AF/AFOSR /0006/62
PROJ/TASK 9777 01

AFOSRJ 285
TEXAS TECHNOLOGICAL COLL LUBBOCK
ION RADICALS. II. THE ESR SPECTRA OF 2, 7-DIMETHYL AND
2, 7-DICHLOROMTHIANTHRENE IN CONCENTRATED SULFURIC ACID
J CHEM PHYS 38 569/570 JAN 1963
BY SWINE M J DDC NUMBER 400802
DAIS C P INSTRUMENT AF/AFOSR /0023/63
SMALL J R INSTRUMENT AF/AFOSR /0023/63
PROJ/TASK 9762 03

AFOSRJ 286
TEXAS TECHNOLOGICAL COLL LUBBOCK
ION/RADICALS. THE REACTION OF THIOAROMATIC COMPOUNDS WITH
ACIDS. II. DIPHENYL DISULFIDE, THIANTHRENE AND THIANTHRENE
OXIDES
J AMER CHEM SOC 84 4798/4806 1962
BY SWINE M J DDC NUMBER 400875
PIETTE L INSTRUMENT AF/AFOSR /0023/63
PROJ/TASK 9762 03

AFOSRJ 287
ILLINOIS U URBANA
AUGER ELECTRON EJECTION FROM SUPERCONDUCTING METALS.
IL NUOVO CIMENTO 27 257/260 1963
BY CRAIG R A DDC NUMBER 435653
INSTRUMENT AF 4946038001048
PROJ/TASK 9761 03

AFOSRJ 289
CALIFORNIA INST OF TECH PASADENA
OPTICAL DETERMINATION OF THE COMPRESSIBILITY OF SOLID ARGON
J CHEM PHYS 38 825/857 1963
BY PINGS C J DDC NUMBER 408020
INSTRUMENT AF/AFOSR /0141/62
PROJ/TASK 9760 01

AFOSRJ 290
CALIFORNIA INST OF TECH PASADENA
OPTICAL CELL FOR PRESSURIZED SOLIDS AND LIQUIDS AT CRYOGENIC
TEMPERATURES
REV OF SCIENTIFIC INSTRUMENTS 34 19/21 JAN 1963
BY PINGS C J DDC NUMBER 408018
INSTRUMENT AF/AFOSR /0141/62
PROJ/TASK 9760 01

AFOSRJ 291
STANFORD U CAL
FAINT SIGNAL LIMITATIONS OF RADIOMETERS
IRE WESCON CONV RECORD PT 8 52/58 1959
BY COLVIN R S DDC NUMBER 408017
INSTRUMENT AF 184603300053
PROJ/TASK 9767 02

AFOSRJ 292
STANFORD U CAL
ANTENNA TOLERANCE THEORY
STATISTICAL METHODS OF RADIO WAVE PROPAGATION UNIVERSITY
PRESS BELFAST N IRELAND 179/183 1960
BY BRACEWELL R N DDC NUMBER 408019
INSTRUMENT AF 184603300053
PROJ/TASK 9767 02

AFOSRJ 293
STANFORD U CAL
PRELIMINARY OBSERVATIONS WITH THE STANFORD MICROWAVE
INTERFEROMETER
MTG OF ASTRONOMICAL SOC OF THE PACIFIC SAN FRAN
537/539 JUNE 1959
BY CLARACK D D DDC NUMBER 408021
INSTRUMENT AF 184603300053
PROJ/TASK 9767 02

AFOSRJ 294
STANFORD U CAL
RADIO ASTRONOMY TECHNIQUES
HANDBUCH DE PHYSIK 42/129 1962
BY BRACEWELL R N DDC NUMBER 408486
INSTRUMENT AF 184603300053
PROJ/TASK 9767 02

AFOSRJ 295
STANFORD U CAL
CORRECTION FOR GRATING RESPONSE IN RADIO ASTRONOMY
ASTROPHYSICAL J 137 175/183 JAN 1963
BY BRACEWELL R N DDC NUMBER 408043
INSTRUMENT AF 184603300053
PROJ/TASK 9767 01

AFOSRJ 296
YALE U NEW HAVEN CONN
GASFOUS OPTICAL MASERS
APPLIED OPTICS SUPPLEMENT ON OPTICAL MASERS 24/61 1962
BY BENNETT JR W R DDC NUMBER 412347
INSTRUMENT AF/AFOSR /0463/62
PROJ/TASK 9767 02

AFOSRJ 297
ARKANSAS U FAYETTEVILLE
POLARIZATION OF OPTICAL RADIATION INDUCED BY ELECTRON IMPACT
ON H₂ I₂
PHYS REV 129 1630/1637 FEB 1963
BY HUGHES R M DDC NUMBER 408041
KAY R R INSTRUMENT AF/AFOSR /0159/62
WEAVER L D INSTRUMENT AF/AFOSR /0159/62
PROJ/TASK 9767 01

AFOSRJ 298
BARCELONA U SPAIN
ACTION PRINCIPLE FOR CLASSICAL FIELDS
PHYSICS 28 1324/1328 1962
BY SANCHO F J DDC NUMBER 408040
INSTRUMENT AF/FOAR /0089/62
PROJ/TASK 9767 01

AFOSRJ 300
PRINCETON U N J
RED GIANTS OF POPULATION II. II
ASTROPHYSICAL J 136 158/165 JUL 1962
BY SCHWARZSCHILD M DDC NUMBER 408038
WARM R INSTRUMENT AF 4946038000298
PROJ/TASK 9774 01

APOSRJ 301
PRINCETON U N J
RED GIANTS OF POPULATION II. I
ASTROPHYSICAL J 136 NO 1 150/197 JUL 1962
BY SCHWARZSCHILD M DDC NUMBER 408029
SFLERBERG M INSTRUMENT AF 49638000298
PROJ/TASK 9776 01

APOSRJ 302
OXFORD U ENGLAND
THE SODIUM CONTENT OF THE SMOOTH MUSCLE OF THE GUINEA/PIG
YACINIA COLI
J PHYSIOL 163 411/422 1962
BY GOODFORD P J DDC NUMBER 408046
INSTRUMENT AF 61<052>00476
PROJ/TASK 9777 01

APOSRJ 303
OXFORD U ENGLAND
SODIUM AND POTASSIUM CONTENT OF THE SMOOTH MUSCLE OF THE
GUINEA/PIG YACINIA COLI AT DIFFERENT TEMPERATURES AND
TENSIONS
J PHYSIOL 163 399/410 1962
BY FREEMAN/NARROD M DDC NUMBER 408046
GOODFORD P J INSTRUMENT AF 61<052>00476
PROJ/TASK 9777 01

APOSRJ 304
OXFORD U ENGLAND
LACK OF ACTIVATION OF PHOSPHORYLASE BY ADRENALINE DURING
ITS PHYSIOLOGICAL EFFECT ON INTESTINAL SMOOTH MUSCLE
NATURE 196 NO 4858 944/946 DEC 1962
BY BUEBING F DDC NUMBER 408045
BULBRING E INSTRUMENT AF 61<052>00476
KURIYAMA M PROJ/TASK 9777 01

APOSRJ 305
OXFORD U ENGLAND
EFFECTS OF NITRATE ON THE ELECTRICAL AND MECHANICAL ACTIVIT
OF INTESTINAL SMOOTH MUSCLE
BIOCHEMICAL PHARMACOLOGY STOCKHOLM 8 NO 1 PERGAMON
PRESS AUG 1961
BY ARELSSON J DDC NUMBER 408047
INSTRUMENT AF 61<052>00476
PROJ/TASK 9777 01

APOSRJ 306
OXFORD U ENGLAND
SODIUM EXCHANGE IN SMOOTH MUSCLE
BIOCHEMICAL PHARMACOLOGY STOCKHOLM 8 NO 1 PERGAMON
PRESS AUG 1961
BY GOODFORD P J DDC NUMBER 408046
INSTRUMENT AF 61<052>00476
PROJ/TASK 9777 01

APOSRJ 307
OXFORD U ENGLAND
THE UPTAKE OF ETHANESULPHONATE/355 IONS BY MUSCULAR TISSUE
J PHYSIOL 161 54/61 1962
BY GOODFORD P F DDC NUMBER 408049
LULLMANN M INSTRUMENT AF 61<052>00476
PROJ/TASK 9777 01

APOSRJ 308
OXFORD U ENGLAND
SPIKE GENERATION BY INTESTINAL SMOOTH MUSCLE DURING COMPLETE
ABSENCE OF SODIUM IN THE EXTERNAL MEDIUM
BIOCHEMICAL PHARMACOLOGY STOCKHOLM 8 NO 1 PERGAMON
PRESS AUG 1961
BY BULBRING F DDC NUMBER 408050
KURIYAMA M INSTRUMENT AF 61<052>00476
PROJ/TASK 9777 01

APOSRJ 309
OXFORD U ENGLAND
MOTILITY OF THE INTESTINE
PROC OF ROYAL SOCIETY OF MEDICINE 94 NO 9 773/775 SEP
1961
BY BULBRING F DDC NUMBER 408051
INSTRUMENT AF 61<052>00476
PROJ/TASK 9777 01

APOSRJ 310
OXFORD U ENGLAND
INFLUENCE OF SODIUM AND CALCIUM ON SPONTANEOUS SPIKE
GENERATION IN SMOOTH MUSCLE
J OF PHYSIOL 161 487/49 JAN 1962 PROC OF THE PHYSIOL
SOC 11 JAN 62
BY BULBRING F DDC NUMBER 408052
KURIYAMA M INSTRUMENT AF 61<052>00476
THAROG B PROJ/TASK 9777 01

APOSRJ 311
OXFORD U ENGLAND
ELECTRICAL ACTIVITY IN INTESTINAL SMOOTH MUSCLE
PHYSIOL REV 42 NO 3 160/178 JULY 1962
BY BULBRING F DDC NUMBER 408053
INSTRUMENT AF 61<052>00476
PROJ/TASK 9777 01

APOSRJ 312
CHILE U SANTIAGO
ELECTROENCEPHALOGRAPH IN THE PERMANENTLY ISOLATED FOREBRAIN
OF THE CAT
SCIENCE 138 NO 3536 44/46 OCT 1962
BY VILLABLANCA J DDC NUMBER 408054
INSTRUMENT AF/APOSR /0092/62
PROJ/TASK 9777 01

APOSRJ 313
LITCHFIELD U ENGLAND
BETA/HYDROXYASPARTATE PATHWAY. A NEW ROUTE FOR
BIOSYNTHESIS FROM GLYOXYLATE
NATURE 197 NO 4866 456/457 FEB 1963
BY KORNBERG M L DDC NUMBER 408078
MORRIS J G INSTRUMENT AF/EOAR /0077/62
PROJ/TASK 9777 01

APOSRJ 314
CENTRE NATIONAL D-ETUDES DE LA RECHERCHE SCIENTIFIQUE
LYON FRANCE
EFFET DE L ACTIONMYCINE D SUR LA SYNTHÈSE INDUITE DE LA
BETA/GALACTOSIDASE ET LA SYNTHÈSE DU RNA SPECIFIQUE PAR UNE
FRACTION SUBCELLULAIRE D ESCHERICHIA COLI K 12
C R ACAD SC 256 523/526 JAN 1963
BY NISMAN B INSTRUMENT AF/EOAR /0050/62
PELMONT J PROJ/TASK 9777 01
DEMAILLY J
YARO A

APOSRJ 315
CENTRE NATIONAL D-ETUDES DE LA RECHERCHE SCIENTIFIQUE
LYON FRANCE
SYNTHÈSE DE RNA A PARTIR DE NUCLEOSIDES TRIPHOSPHATES; PAR
UNE FRACTION SUBCELLULAIRE PARTICULAIRE D E. COLI POSSEDANT
LA RNA/POLYMERASE
C R ACAD SC 256 801/804 JAN 1963
BY PELMONT J INSTRUMENT AF/EOAR /0050/62
YARO A INSTRUMENT AF/EOAR /0050/62
DEMAILLY J PROJ/TASK 9777 01
NISMAN B

APOSRJ 316
UPPSALA U SWEDEN
SEARCH FOR TWO/QUANTUM DECAY OF IN 114M
NUCLEAR PHYS 18 648/653 1962
BY GRABOWSKI Z DDC NUMBER 408027
GUSTAFSON C INSTRUMENT AF/EOAR /0123/62
RACKSTRÖM G PROJ/TASK 9751 02

APOSRJ 317
CATHOLIC U OF AMERICA WASHINGTON D C
PARTIAL AND TOTAL CAPTURE PROBABILITIES OF NEGATIVE MUONS B
C12
PHYS REV 129 866/869 15 JAN 1963
BY RUEL M DDC NUMBER 408026
BRENNAN J G INSTRUMENT AF/APOSR /0056/62
PROJ/TASK 9751 01

APOSRJ 318
LON ON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
PRODUCTION OF STRANGE PARTICLES IN PROTON/NEUTRON COLLISION
IL NUOVO CIMENTO 27 164/177 JAN 1963
BY CURTIS W D DDC NUMBER 408025
INSTRUMENT AF/EOAR /0087/62
PROJ/TASK 9751 01

APOSRJ 319
MAX-PLANCK-INST FUR AERONOMIE LINDAU WEST GERMANY
SUDDEN INCREASE F RADIATION INTENSITY COINCIDING WITH A
GEOMAGNETIC STORM SUDDEN COMMENCEMENT
J OF GEOPHYSICAL RESCH 67 5143/5146 1962
BY KFDLER R INSTRUMENT AF/EOAR /0098/62
FANORT A PROJ/TASK 9774 02
PFOTZER G
ORTNER J

APOSRJ 320
ROCHESTER U N Y
ENERGY DISSIPATION FROM EXCITED ACETALDEHYDE MOLECULES
J AMER CHEM SOC 84 416/421 1962
BY NOYES JR W A DDC NUMBER 408023
PARMINTER C S INSTRUMENT AF 49638000679
PROJ/TASK 9760 02

APOSRJ 321
COLUMBIA U NEW YORK N Y
ALTERNATING LINEWIDTHS IN THE ESR SPECTRA OF DINITROBENZENE
ANION RADICALS
J CHEM PHYS 37 1881/1882 1962
BY FRED J M INSTRUMENT AF 49638000520
FEIGER P M PROJ/TASK 9710 01
FRAENKEL G K

APOSRJ 322
COLUMBIA U NEW YORK N Y
ANOMALOUS ALTERNATING LINEWIDTHS IN ESR SPECTRA
J CHEM PHYS 37 1156/1157 1962
BY FRED J INSTRUMENT AF 49638000520
FRAENKEL G K PROJ/TASK 9710 01

APOSRJ 323
COLUMBIA U NEW YORK N Y
ELECTRON SPIN RESONANCE OF AZULENE ANION RADICALS
J CHEM PHYS 37 1489/1495 1962
BY RIEGER P P INSTRUMENT AF 49638000520
FRAENKEL G K PROJ/TASK 9710 01

APOSRJ 324
PRINCETON U N J
ENTIRE FUNCTIONS IN SEVERAL VARIABLES WITH CONSTANT ABSOLUTE
VALUES ON A CIRCULAR UNIQUENESS SET
PROC AMER MATH SOC 11 117/120 FEB 1962
BY ROCHNER S INSTRUMENT AF 49638000578
PROJ/TASK 9749 02

APOSRJ 325
PRINCETON U N J
SUBORDINATION OF NON/GAUSSIAN STOCHASTIC PROCESSES
PROC NATL ACAD OF SCI 48 19/22 JAN 1962
BY ROCHNER S INSTRUMENT AF 49638000578
PROJ/TASK 9749 02

APOSRJ 326
PRINCETON U N J
THE ROLE OF MATHEMATICS IN THE RISE OF MECHANICS
AMER SCIENTIST 40 296/311 JUNE 1962
BY ROCHNER S INSTRUMENT AF 49638000478
PROJ/TASK 9749 02

AFOSRJ 327
SYRACUSE U RESEARCH INST N Y
MEROMORPHIC FUNCTIONS WITH VALUES THAT ARE BOTH DEFICIENT
AND ASYMPTOTIC
STUDIES IN MATH ANALYSIS AND RELATED TOPICS STANFORD
PRESS 13 93/103 1962
BY FORRELL A
INSTRUMENT AF 49C638>00571
PROJ/TASK 9749 02

AFOSRJ 328
SYRACUSE U RESEARCH INST N Y
ON MEROMORPHIC FUNCTIONS WITH REGIONS FREE OF POLES AND
ZEROS
ACTA MATH 108 113/145 DEC 1962
BY FORRELL A
FUCHS W H J
DDC NUMBER 428408
INSTRUMENT AF 49C638>00571
PROJ/TASK 9749 02

AFOSRJ 329
MASSACHUSETTS MENTAL HEALTH CENTER BOSTON
NORMS ON THE HARVARD GROUP SCALE OF HYPNOTIC SUSCEPTIBILITY
FORM A 619636
INTL J OF CLINICAL AND EXPER HYPNOSIS 11 39/47 1963
BY SHORE R F
DOWNE D C
DDC NUMBER 408012
INSTRUMENT AF 49C638>00728
PROJ/TASK 9779 01

AFOSRJ 330
NORTH CAROLINA U CHAPEL HILL
ON THE ROLE OF GRAVITATIONAL FIELDS IN SOME ELEMENTARY
PARTICLE PROCESSES
IL NUOVO CIMENTO 25 1239/1269 SEP 1962
BY HALPERN L
DDC NUMBER 408007
INSTRUMENT AF/AFOSR /0072/61
PROJ/TASK 9751 03

AFOSRJ 331
STANFORD U CAL
NUCLEAR EXCITATION BY 160 DEG ELECTRON SCATTERING
PHYS REV 128 2750/2759 DEC 1962
BY FERGUSON R D
PETERSON G A
DDC NUMBER 408008
INSTRUMENT MONR /25116
PROJ/TASK 9751 01

AFOSRJ 332
CALIFORNIA U LOS ANGELES
SYSTEMATICS OF BETA/DECAY MATRIX ELEMENTS
PROC OF RUTHERFORD JUBILEE INTL CONF 689/695 1962
BY MOSZKOWSKI S A
DDC NUMBER 408009
INSTRUMENT AF 49C638>00717
PROJ/TASK 9751 02

AFOSRJ 333
CALIFORNIA U LOS ANGELES
SPINOR FIELDS IN SPACES WITH TORSION
ANNALS OF PHYSICS 12 200/221 1961
BY FINKELSTEIN R
DDC NUMBER 408010
INSTRUMENT AF 49C638>00717
PROJ/TASK 9751 02

AFOSRJ 334
CALIFORNIA U LOS ANGELES
ELEMENTARY INTERACTIONS IN SPACES WITH TORSION
ANNALS OF PHYSICS 19 223/249 1961
BY FINKELSTEIN R
DDC NUMBER 408055
INSTRUMENT AF 49C638>00717
PROJ/TASK 9751 02

AFOSRJ 335
CALIFORNIA U LOS ANGELES
IMAGINARY PART OF THE OPTICAL MODEL POTENTIAL IN NUCLEAR
MATTER
NUCL PHYS 21 456/461 1960
BY SAMICHI J
MOSZKOWSKI S A
DDC NUMBER 408056
INSTRUMENT AF 49C638>00717
PROJ/TASK 9751 02

AFOSRJ 336
CALIFORNIA U LOS ANGELES
THE PARAMETERS OF THE OPTICAL MODEL POTENTIAL AND THEIR
PHYSICAL INTERPRETATION
PROC INTL CONF NUCL STRUCTURE KINGSTON CHAP 3 197/
211 1960
BY SARON D S
DDC NUMBER 408057
INSTRUMENT AF 49C638>00717
PROJ/TASK 9751 02

AFOSRJ 337
CALIFORNIA U LOS ANGELES
NUCLEAR MATTER CALCULATIONS USING THE SEPARATION METHOD
NUCL PHYS 29 665/671 1962
BY SCOTT R L
MOSZKOWSKI S A
DDC NUMBER 408065
INSTRUMENT AF 49C638>00717
PROJ/TASK 9751 02

AFOSRJ 338
CALIFORNIA U BERKELEY
COMPLEX ANGULAR MOMENTUM IN RELATIVISTIC S/MATRIX THEORY
PHYS REV 127 974/977 AUG 1962
BY BARUT A O
ZWANDIGER D F
DDC NUMBER 408059
INSTRUMENT AF 49C638>00571
PROJ/TASK 9751 01

AFOSRJ 339
CALIFORNIA U LOS ANGELES
DETERMINATION OF THE FORWARD SCATTERING AMPLITUDE FROM THE
OPTICAL MODEL POTENTIAL IN THE HIGH-ENERGY LIMIT
PHYS REV 120 1458/1459 NOV 1960
BY LIPPERHEINE R
SARON D S
DDC NUMBER 408058
INSTRUMENT AF 49C638>00717
PROJ/TASK 9751 02

AFOSRJ 340
WASHINGTON U ST LOUIS MO
PROTON MAGNETIC RESONANCE STUDIES IN SODIUM/AMMONIA
SOLUTIONS
J OF CHEM PHYS 38 202/209 JAN 1963
BY HIGGS JR T R
DDC NUMBER 408060
INSTRUMENT AF/AFOSR /0345/62
PROJ/TASK 9767 01

AFOSRJ 342
CALIFORNIA U BERKELEY
HEAT CONTENT OF PLATINUM
J CHEM AND ENGIN DATA 7 516/518 OCT 1962
BY KENDALL W B
ORR R L
MULTGREN R
DDC NUMBER 408022
INSTRUMENT AF 49C638>00083
PROJ/TASK 9761 03

AFOSRJ 343
LYON U FRANCE
ETUDE POLYGRAPHIQUE DU SOMMEIL CHEZ L AGNEAU
COMPT REND 156 1411/1414 JUN 1962
BY JOUVET D
VALATS J L
INSTRUMENT AF 61C052>00472
PROJ/TASK 9778 01

AFOSRJ 344
LYON U FRANCE
STUDY OF OCULAR MOVEMENTS OBSERVED IN MAN DURING AWAKENING
AND SLEEP
COMPT REND 156 1407/1410 JUN 1962
BY JFARFROD M
MOURET J
INSTRUMENT AF 61C052>00472
PROJ/TASK 9778 01

AFOSRJ 345
LYON U FRANCE
SUR L'EXISTENCE DUN SYSTEME HYPNIQUE PORTO/LIMBIQUE. SES
RAPPORTS AVEC L'ACTIVITE ONIRIQUE
COLL INTL DU CTR NATL DE LA RECH SCI PHYSIOLOGIE DE L
HIPPOCAMPE 107 297/330 AUG 1961
BY JOUVET M
INSTRUMENT AF 61C052>00472
PROJ/TASK 9778 01

AFOSRJ 346
GENERAL ELECTRIC CO SCHENECTADY N Y
TRAPPING AND ENERGY TRANSFER IN ATOMIC COLLISIONS WITH A
CRYSTAL SURFACE
J CHEM PHYS 38 523/532 1963
BY ENRICH G
MCCARROLL B
INSTRUMENT AF 49C638>00791
PROJ/TASK 9760 03

AFOSRJ 347
MASSACHUSETTS MENTAL HEALTH CENTER BOSTON
THE EFFECT OF DICHOTIC NOISE ON AUDITORY LOCALIZATION
619626
J AUDITORY RECH 2 305/310 1962
BY FREDMAN S J
PRAFF D W
DDC NUMBER 408004
INSTRUMENT AF/AFOSR /0026/61
PROJ/TASK 9778 03

AFOSRJ 348
MASSACHUSETTS MENTAL HEALTH CENTER BOSTON
TRADING RELATIONS BETWEEN DICHOTIC TONE AND INTENSITY
DIFFERENCES IN AUDITORY LOCALIZATION 619626
J AUDITORY RECH 2 311/318 1962
BY FREDMAN S J
PRAFF D W
DDC NUMBER 407119
INSTRUMENT AF/AFOSR /0026/61
PROJ/TASK 9778 03

AFOSRJ 349
KAROLINSKA INST STOCKHOLM SWEDEN
STUDIES ON THE ULTRASTRUCTURE OF DENTAL ENAMEL. III.
THE BIREFRINGENCE OF HUMAN ENAMEL
J ULTRASTRUCTURE RES 8 1/11 1963
BY CARLSTROM D
GLAS J E
DDC NUMBER 408062
INSTRUMENT AF 61C052>00386
PROJ/TASK 9777 01

AFOSRJ 350
KAROLINSKA INST STOCKHOLM SWEDEN
STUDIES ON THE ULTRASTRUCTURE OF DENTAL ENAMEL. IV. THE
MINERALIZATION OF NORMAL HUMAN ENAMEL
J ULTRASTRUCTURE RES 8 12/23 1963
BY ANGHAR B
CAROLSTROM B
GLAS J E
DDC NUMBER 408006
INSTRUMENT AF 61C052>00386
PROJ/TASK 9777 01

AFOSRJ 351
KAROLINSKA INST STOCKHOLM SWEDEN
STUDIES ON THE ULTRASTRUCTURE OF DENTAL ENAMEL. V. THE
STATE OF WATER IN HUMAN ENAMEL
J ULTRASTRUCTURE RES 8 24/29 1963
BY CARLSTROM D
GLAS J E
ANGHAR B
DDC NUMBER 408005
INSTRUMENT AF 61C052>00386
PROJ/TASK 9777 01

AFOSRJ 343
RENSSELAER POLYTECHNIC INST TROY N Y
VIBRATIONS OF TWISTED BEAMS II
QUART OF APPL MATH 16 NO 4 305/395 JAN 1962
BY BOYCE W
HANDELMAN G
DDC NUMBER 408030
INSTRUMENT AF 49C638>00962
PROJ/TASK 9749 01

AFOSRJ 344
RENSSELAER POLYTECHNIC INST TROY N Y
LATERAL VIBRATIONS OF A BEAM UNDER INITIAL LINEAR AXIAL
STRESS
J SOC INDUST APPL MATH 9 NO 3 455/473 SEP 1961
BY TU Y
HANDELMAN G H
DDC NUMBER 408029
INSTRUMENT AF 49C638>00962
PROJ/TASK 9749 01

AFOSRJ 346
HARVARD U CAMBRIDGE MASS
THE DETERMINATION OF SILICON/CARBON AND SILICON/HYDROGEN
BOND DISSOCIATION ENERGIES BY ELECTRON IMPACT
J AMER CHEM SOC 84 4441/4445 1962
BY STEELE W C
NICHOLS L D
STON F G A
DDC NUMBER 408031
INSTRUMENT AF 49C638>00518
PROJ/TASK 9762

AFOSRJ 358
GRUMMAN AIRCRAFT ENGINEERING CORP BETHPAGE N Y
GUIDANCE THEORY AND EXTREMAL FIELDS
IRE TRANS AUTO CONTROL AC/7 79/82 MAY 1962
BY KELLEY M J
DDC NUMBER 408032
INSTRUMENT AF 29<600>02733
PROJ/TASK 9749 01

AFOSRJ 359
HARVARD U CAMBRIDGE MASS
CHEMISTRY OF THE METAL CARBYNYLS. PART XII. NEW COMPLEXES
DERIVED FROM MANGANESE PENTA CARBYNYL HYDRIDE,
CYCLOPENTADIENYLMOLYBDENUM TRICARBONYL HYDRIDE, AND
CYCLOPENTADIENYL/TUNGSTEN TRICARBONYL HYDRIDE
J AMER CHEM SOC 85 720/723 1963
BY TREICHEL P M
MORRIS J H
STONE F G A
DDC NUMBER 412991
INSTRUMENT AF 49<630>00518
PROJ/TASK 9762

AFOSRJ 360
FLORIDA STATE U TALLAHASSEE
ENERGY TRANSFER IN HYDROGEN/BONDED N/HETEROCYCLIC COMPLEXES
AND THEIR POSSIBLE ROLE AS ENERGY SINKS
J CHEM PHYS 34 2101/2102 JUNE 1962
BY ASHAF M
FL/RAVOUNI
KASHA M
DDC NUMBER 411957
INSTRUMENT AF 49<630>00712
PROJ/TASK 9760

AFOSRJ 361
FLORIDA STATE U TALLAHASSEE
IONIZATION POTENTIALS OF BENZENE, HEXADEUTEROBENZENE, AND
PYRIDINE FROM THEIR OBSERVED RYDBERG SERIES IN THE REGION
600/2000A
J CHEM PHYS 36 334/335 JAN 1961
BY FL/SAVED M F A
KASHA M
TANAKA Y
DDC NUMBER 408593
INSTRUMENT AF 49<630>00712
PROJ/TASK 9760

AFOSRJ 362
HERNER AND CO WASHINGTON D C
THE DETERMINATION OF USER NEEDS FOR THE DESIGN OF
INFORMATION SYSTEMS
INFORMATION SYSTEMS WORKSHOPS SPARTAN BOOKS PUBL 47/60
1967
BY HERNER S
DDC NUMBER 407890
INSTRUMENT AF 49<630>00903
PROJ/TASK 9769 02

AFOSRJ 364
OXFORD U ENGLAND
THE DECAY OF K MESIC ATOMS
NUCLEAR PHYS 39 479/505 1962
BY ROOK J R
DDC NUMBER 408599
INSTRUMENT AF 61<052>00455
PROJ/TASK 9751 02

AFOSRJ 365
CAMBRIDGE U ENGLAND
THE ALUMINIUM/TECHNETIUM SYSTEM. THE NEW PHASES TCAL12,
TCAL4 AND TCAL3
PHILOSOPHICAL MAG 8 NO 06 349 FEB 1963
BY DALTE DA VEIGA L M
DDC NUMBER 407712
INSTRUMENT AF/EOAR /0024/61
PROJ/TASK 9761 03

AFOSRJ 366
SOUTH CAROLINA U COLUMBIA
MILLIMETER WAVE TRANSMISSION BY NON/WAVEGUIDE MEANS
MICROWAVE J 80/86 MAY 1962
BY FELLERS R G
INSTRUMENT AF 18<603>00043
PROJ/TASK 9767 02

AFOSRJ 367
ISTITUTO ELECTROTECNICO NAZIONALE TURIN ITALY
APPARATUS FOR THERMOLUMINESCENCE MEASUREMENTS
REV OF SCI INSTRUMENTS 33 1095/1100 OCT 1962
BY BONFIGLIOLI G
BROVETTO P
CORTESE C
DDC NUMBER 408591
INSTRUMENT AF 61<052>00320
PROJ/TASK 9763 02

AFOSRJ 368
PRINCETON U N J
LEADING EDGE OF A SHOCK/INDUCED BOUNDARY LAYER
PHYS OF FLUIDS 9 1160/1160 OCT 1962
BY SICHEL M
DDC NUMBER 408590
INSTRUMENT AF 49<630>00445
PROJ/TASK 9781 01

AFOSRJ 369
TEXAS U AUSTIN
APPROACH AND AVOIDANCE AFFILIATION MOTIVES
J PERSONALITY 31 21/37 MAR 1963
BY BYRNE D
MCDONALD R D
MIKAWA J
DDC NUMBER 408583
INSTRUMENT AF/AFOSR /0261/63
PROJ/TASK 9778 02

AFOSRJ 370
CORNELL U ITHACA N Y
EXPECTED NEAR INFRARED RADIATION FROM INTERSTELLAR MOLECULAR
HYDROGEN
ASTROPHYSICAL J 137 NO 2 694/697 FEB 63
BY GOULD R J
HARWIT M
DDC NUMBER 408582
INSTRUMENT AF/AFOSR /0191/62
PROJ/TASK 9767 02

AFOSRJ 371
ILLINOIS U URBANA
A MICROWAVE FREQUENCY DYNAMIC CROSSED/FIELD PHOTOMULTIPLIER
PROC IEEE 51 NO 1 153/162 JAN 1963
BY GADY O L
MOLSHOUSER D F
DDC NUMBER 407328
INSTRUMENT AF/AFOSR /0250/62
PROJ/TASK 9767 02

AFOSRJ 372
DUKE U DURHAM N C
PSYCHOPHYSIOLOGICAL STUDIES IN ALTERED SENSORY ENVIRONMENTS
619636
J PSYCHOSOMATIC RSCH 6 259/281 1963
BY COHEN I
SILVERMAN A J
SHAWHANIAN R W
DDC NUMBER 406452
INSTRUMENT AF 49<630>00354
PROJ/TASK 9779 01

AFOSRJ 373
NORTHWESTERN U EVANSTON ILL
INTERNATIONAL SIMULATION. AN EXAMPLE OF SELF/ORGANIZING
SYSTEM
SELF/ORGANIZING SYSTEMS MCVOVITS G T JACOBI G D
GOLDSTEIN SPARTAN BOOKS WASH D C 79/92 1962
BY GUETZKOW M
DDC NUMBER 407630
INSTRUMENT AF/AFOSR /0063/62
PROJ/TASK 9779 02

AFOSRJ 374
PURDUE RESEARCH FOUNDATION LAFAYETTE IND
A CONVENIENT SYNTHESIS OF AROMATIC AND ALIPHATIC SODIUM
SULFINATES
J ORG CHEM 28 593 1963
BY TRUCE W F
ROBERTS JR F E
DDC NUMBER 408402
INSTRUMENT AF 49<630>00531
PROJ/TASK 9762 01

AFOSRJ 375
CHICAGO U ILL
KINETIC THEORY OF DENSE FLUIDS. XII. ELECTRONIC AND IONIC
MOTION IN LIQUID ME4 I AND LIQUID ME3
J CHEM PHYS 37 1521/1527 1962
BY DAVIS M T
RICE S A
MEYER L
INSTRUMENT AF/AFOSR /0052/61
PROJ/TASK 9760 01

AFOSRJ 376
CHICAGO U ILL
EXCITON/EXCITON INTERACTIONS AND PHOTOCONDUCTIVITY IN
CRYSTALLINE ANTHRACENE
J CHEM PHYS 38 366/373 1963
BY CHOI S
RICE S A
INSTRUMENT AF/AFOSR /0052/61
PROJ/TASK 9760 01

AFOSRJ 377
CHICAGO U ILL
EXCITON/EXCITON INTERACTIONS AND PHOTOCONDUCTIVITY IN
ORGANIC CRYSTAL
PHYS REV LETS 8 410/412 MAY 1962
BY CHOI S
RICE S A
INSTRUMENT AF/AFOSR / / 7/61
PROJ/TASK 9760 01

AFOSRJ 378
CHICAGO U ILL
ON THE KINETIC THEORY OF DENSE FLUIDS. XIII. THE MOBILITY
OF NEGATIVE IONS IN LIQUID AR, KR, RE
J CHEM PHYS 37 2470/2472 1962
BY DAVIS M T
RICE S A
MEYER L
INSTRUMENT AF/AFOSR /0052/61
PROJ/TASK 9760 01

AFOSRJ 379
CHICAGO U ILL
ON THE KINETIC THEORY OF SIMPLE DENSE FLUIDS. XI.
EXPERIMENTAL AND THEORETICAL STUDIES OF POSITIVE ION
MOBILITY IN LIQUID AR, KR, AND Xe
J CHEM PHYS 37 947/956 1962
BY DAVIS M T
RICE S A
MEYER L
INSTRUMENT AF/AFOSR /0052/61
PROJ/TASK 9760 01

AFOSRJ 381
GENOVA U ITALY
NEW CONSIDERATIONS ON THE PHYSIOPATHOLOGIC MECHANISMS IN THE
VARIATIONS OF CONSCIENCE
MINERVA NEUROCHIRURGICA 6 NO 6 129/141 OCT /DEC 1962
BY ROSSI G F
INSTRUMENT AF/EOAR /0106/62
PROJ/TASK 9777 01

AFOSRJ 382
WASHINGTON U ST LOUIS MO
PRIMARY COSMIC/RAY ALPHA PARTICLES/III
IL NUOVO CIMENTO 26 1292/1300 1962
BY FRIEDLANDER M W
SPRING C T
DDC NUMBER 406451
INSTRUMENT AF/AFOSR /0404/62
PROJ/TASK 9774 02

AFOSRJ 383
MARYLAND U COLLEGE PARK
SINGULAR PARTIAL DIFFERENTIAL EQUATIONS AND THEIR
APPLICATIONS
PROC OF THE SYMP OF FLUID DYNAMICS AND APPLIED MATH U
OF MD 29/49 1961
BY WEINSTEIN A
DDC NUMBER 406449
INSTRUMENT AF 49<630>00220
PROJ/TASK 9749 01

AFOSRJ 387
RENSSELAER POLYTECHNIC INST TROY N Y
THE BENDING OF COLUMNS UNDER AXIAL LOADS OF RANDOM
ECCENTRICITY
DEVELOPMENTS IN MECHANICS I 143/152 1961
BY ROYCE W
INSTRUMENT AF 49<630>00962
PROJ/TASK 9749 01

AFOSRJ 388
CALIFORNIA U BERKELEY
MICROSCOPIC BASIS OF MACROSCOPIC MAGNETOSTATIC ENERGY
J OF CHEM PHYS 37 NO 9 1900/1990 NOV 1962
BY FAUFMAN A N
SODA T
DDC NUMBER 408290
INSTRUMENT AF/AFOSR /0121/62
PROJ/TASK 9767 01

AFOSRJ 389
LINDO U SWEDEN
IDFAS REGARDING RECEPTION DSENSITIZATION AT THE MOTOR END/
FLATE
REV CANAD BIOL 21 NO 2/3 229/236 1962
BY ELMQVIST D DDC NUMBER 408249
THESLEFF S INSTRUMENT AF/AFOSR /0028/62
PROJ/TASK 9777 01

AFOSRJ 390
FRANKLIN INST PHILADELPHIA PA
STATISTICAL AVERAGING OF GP₂ PL₂₆ ANGULAR DISTRIBUTIONS TO
OBTAIN FZAM MIXING RATIOS FOR Z2
J PHYS CHEM SOLIDS 24 1053/1054 1963
BY MEMOTRA B N DDC NUMBER 408592
INSTRUMENT AF/AFOSR /0369/62
PROJ/TASK 9767 01

AFOSRJ 391
MASSACHUSETTS INST OF TECH CAMBRIDGE
AN EXPERIMENTAL INVESTIGATION OF A TWO/LAYER INVISCID SMOCK
CAP DUE TO BLUNT/BODY NOSE
J FLUID MECH 15 442/448 1963
BY HARRON J R DDC NUMBER 408546
ALZNER J R INSTRUMENT AF 494638>00245
PROJ/TASK 9781 02

AFOSRJ 392
CALIFORNIA U BERKELEY
AURORAL ZONE X/RAY PULSATIONS IN THE 1/70 15/SECOND PERIOD
RANGE
J OF GEOPHYSICAL RSCH 68 1023/1034 FEB 1963
BY ANGER C D DDC NUMBER 411878
BARCUS J R INSTRUMENT AF/AFOSR /0422/62
BROWN R R PROJ/TASK 9774 02
EVANG D S

AFOSRJ 393
CALIFORNIA U BERKELEY
SINGULARITIES IN ANGULAR MOMENTUM OF THE SCATTERING
AMPLITUDE FOR A CLASS OF SOLUBLE POTENTIALS
PHYS REV 128 1383/1393 NOV 1962
BY GALLEGARD F DDC NUMBER 411908
INSTRUMENT AF/AFOSR /0373/62
PROJ/TASK 9751 01

AFOSRJ 394
CALIFORNIA U BERKELEY
ANALYTICITY IN ANGULAR MOMENTUM OF THE RELATIVISTIC MANY/
CHANNEL S MATRIX FROM DISPERSION RELATIONS - UNITARITY
PHYS REV 128 1959/1963 NOV 1962
BY BARIT A D DDC NUMBER 411909
INSTRUMENT AF/AFOSR /0373/62
PROJ/TASK 9751 01

AFOSRJ 397
INST DE NEUROLOGIA MONTEVIDEO URUGUAY
NEUROPHYSIOLOGY OF LEARNING
5TH MEDICAL CONGRESS OF URUGUAY MONTEVIDEO URUGUAY 1 5/2
1962
BY GARCIA AUSTI E DDC NUMBER 408293
INSTRUMENT AF/AFOSR /0331/62
PROJ/TASK 9777 01

AFOSRJ 398
INST DE NEUROLOGIA MONTEVIDEO URUGUAY
SENSORY HABITATION IN THE HUMAN
5TH MEDICAL CONGRESS OF URUGUAY MONTEVIDEO URUGUAY 1
20/44 1962
BY BOGACZ J DDC NUMBER 408293
VANZULLI A INSTRUMENT AF/AFOSR /0331/62
PROJ/TASK 9777 01

AFOSRJ 399
INST DE INVESTIGATION DE CIENCIAS BIOLOGICAS
MONTEVIDEO URUGUAY
STIMULATION OF THE LIMBIC SYSTEM AND LEARNING
5TH MEDICAL CONGRESS OF URUGUAY MONTEVIDEO URUGUAY 1
41/71 1962
BY GALEANO C DDC NUMBER 408293
INSTRUMENT AF/AFOSR /0332/62
PROJ/TASK 9777 01

AFOSRJ 400
CALIFORNIA U LA JOLLA
PROBING SEA/BOTTOM SEDIMENTS WITH MICROSEISMIC NOISE MARCH
1961
J OF GEOPHY RSCH 58 NO 6 1788/1791 MAR 1963
BY BHADNER H DDC NUMBER 407881
INSTRUMENT AF/AFOSR /0420/62
PROJ/TASK 9774 03

AFOSRJ 402
BRUSSELS FREE U BELGIUM
NEUROPHYSIOLOGICAL MECHANISMS IN CEREBRAL AROUSAL
CIBA FOUND SYMP ON THE NATURE OF SLEEP 30/30 J - A
CHURCHILL LTD LONDON 1961
BY BREMER F DDC NUMBER 414180
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 403
BRUSSELS FREE U BELGIUM
NEUROGENIC FACTORS INFLUENCING THE EVOKED POTENTIALS OF THE
CEREBRAL CORTX
SENSORY COMMUNICATION JOHN WILEY - SONS 1961
BY BREMER F DDC NUMBER 414180
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 404
BRUSSELS FREE U BELGIUM
WEDENSKI INHIBITION IN THE CEREBRAL CORTX
J OF PHYSIOLOGY 42 34/34 MAY 1960
BY BREMER F DDC NUMBER 416715
STOUFFEL N INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 405
BRUSSELS FREE U BELGIUM
STEREOTAXIC STIMULATION OF EFFERENT PATHWAYS IN THE
AUDITORY NERVOUS SYSTEM OF THE CAT
ARCHIVES INTERNATIONALES DE PHARMACODYNAMIE ET THERAPIE
132 492/494 1961
BY DESMEDI J F DDC NUMBER 414149
MONACO P INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 406
BRUSSELS FREE U BELGIUM
MOME OF ACTION OF THE EFFERENT OLIVO/COCHLEAR BUNDLE ON THE
INNER EAR
NATURE 192 NO 4809 1263/1264 DEC 1961
BY DESMEDI J F DDC NUMBER 414149
MONACO P INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 407
BRUSSELS FREE U BELGIUM
MECHANISM OF THE RETICULAR FORMATIONS ACTION ON THE
REACTIVE ACTIVITY OF THE CEREBRAL CORTX
COMPTES RENDUS DES SEANCES DE L ACADEMIC DES SCIENCES 296
2041/2041 MAR 1962
BY BONNET V DDC NUMBER 414149
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 408
BRUSSELS FREE U BELGIUM
FROM SENSATION TO ACTION
BULLETIN DE L ACADEMIC ROYALE DE BELGIQUE 45 1148 1158
1949
BY BREMER F DDC NUMBER 414149
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 409
BRUSSELS FREE U BELGIUM
NERVOUS REGULATIONS OF CORTICAL ACTIVITY
ARCHIVES SUISSES DE NEUROLOGIE NEUROCHIRURGIE ET
PSYCHIATRIE 86 34/48 1960
BY BREMER F DDC NUMBER 414149
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 410
BRUSSELS FREE U BELGIUM
ANALYSIS OF THE CORTICAL PROCESSES IN AROUSAL
MOSCOW COLLOQUIUM ON ELECTROENCEPHALOGRAPHY OF HIGHER
NERVOUS ACTIVITY SUPP 13 OF ELECTROENCEPHALOG - CLIN
NEUROPHYSIOL 1960
BY BREMER F DDC NUMBER 414149
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 411
BRUSSELS FREE U BELGIUM
OSCILLOGRAPHIC ANALYSIS OF EVOKED POTENTIALS OF CORTICAL
RECEPTOR AREAS
ARCH INTERNATIONALES DE PHYSIOLOGIE ET DE BIOCHIMIE 69
NO 5 609/616 1961
BY BONNET V DDC NUMBER 414149
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 412
BRUSSELS FREE U BELGIUM
THE EVOKED POTENTIAL OF THE VISUAL CORTICAL AREA6
NEUROPHYSIOLOGIE UND PSYCHOPHYSIK DES VISUELLEN SYSTEMS
FREIBURG GERMANY PUR SPRINGER/VORLAGBERLIN SEPT 1960
BY BREMER F DDC NUMBER 414149
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 413
BRUSSELS FREE U BELGIUM
STUDY OF AN INHIBITORY PHENOMENON OF WEDENSKI AT THE
CORTICAL LEVEL6
ARCH ITAL BIOL 100 399/416 1962
BY BREMER F DDC NUMBER 414180
STOUFFEL N INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 414
BRUSSELS FREE U BELGIUM
NEW INVESTIGATIONS ON FACILITATION - INHIBITION OF EVOKED
CORTICAL POTENTIALS IN RETICULAR AROUSAL6
ARCH ITAL BIOL 98 229/247 1960
BY BREMER F DDC NUMBER 414180
STOUFFEL N VAN REETH P C INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 415
BRUSSELS FREE U BELGIUM
EFFECTS OF ILLUMINATION OF THE EYE ON THE VESTIBULAR
RESPONSES IN THE PIGEON
ACTA OTO/LARYNGOLOGICA 51 420/422 MAR 1960
BY VAN EYCK M DDC NUMBER 414180
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 416
BRUSSELS FREE U BELGIUM
ELECTROPHYSIOLOGICAL STUDY OF THE CEREBELLO/CEREBRAL
RELATIONS IN THE CAT6
COMPTES RENDUS DES SEANCES DE L ACADEMIC DES SCIENCES 293
2137/2139 NOV 1961
BY STOUFFEL N DDC NUMBER 414180
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 417
BRUSSELS FREE U BELGIUM
THOUGHTS ON THE PROCESS OF CENTRAL INHIBITION6
ARCH INT PHARMACODYN 129 NO 1/2 152/158 SEP 1962
BY BREMER F DDC NUMBER 414180
INSTRUMENT AF 61<052>00120
PROJ/TASK 9777 01

AFOSRJ 418
BRUSSELS FREE U BELGIUM
SUPPRESSION BY STRYCHNINE OF THE CENTRIFUGAL INHIBITORY
EFFECT PRODUCED BY THE OLIVO/COCLEAR FASCICLE
ARCHIVES INTERNATIONALES DE PHARMACODYNAMIE ET DE THERAPIE
129 244/248 1960
BY DESMETS J E
MONACO P
INSTRUMENT AF 61C05200120
PROJ/TASK 9777 01

AFOSRJ 419
BRUSSELS FREE U BELGIUM
ELECTROPHYSIOLOGICAL STUDY OF BINOCULAR INTERACTION IN THE
CORTICAL VISUAL AREA OF THE CAT
COMPTES RENDUS DES SEANCES DE L ACADEMIC DES SCIENCES 225
2040/2043 OCT 1962
BY BREMER F
DDC NUMBER 414188
INSTRUMENT AF 61C05200120
PROJ/TASK 9777 01

AFOSRJ 420
BRUSSELS FREE U BELGIUM
THE ACTIVATOR RETICULAR SYSTEMS
CONFERENCE AU COLLOQUE SUR LA NEUROLEPTANALISIE OSTENDE
APR 1961
BY BREMER F
DDC NUMBER 414186
INSTRUMENT AF 61C05200120
PROJ/TASK 9777 01

AFOSRJ 421
BRUSSELS FREE U BELGIUM
SLEEP CAUSED IN THE RABBIT BY STRONG CEPHALIC AND CERVICAL
STIMULATION
COMPTES RENDUS DES SEANCES DE L ACADEMIC DES SCIENCES 255
3050/3052 NOV 1962
BY VAN REETH P
CAPON A
DDC NUMBER 414187
INSTRUMENT AF 61C05200120
PROJ/TASK 9777 01

AFOSRJ 422
BRUSSELS FREE U BELGIUM
NEUROPHYSIOLOGICAL MECHANISMS CONTROLLING ACOUSTIC INPUT
NEURAL MECHANISMS OF THE AUDITORY - VESTIBULAR SYSTEMS CHA
II 152/164 PUB CM THOMAS SPRINGFIELD 1960
BY DESMETS J E
INSTRUMENT AF 61C05200120
PROJ/TASK 9777 01

AFOSRJ 423
BRUSSELS FREE U BELGIUM
CENTRAL REGULATORY MECHANISMS INTRODUCTION
HANDBOOK OF PHYSIOLOGY/NEUROPHYSIOLOGY II CHAP 90 1241/
1243
BY BREMER F
DDC NUMBER 402694
INSTRUMENT AF 61C05200120
PROJ/TASK 9777 01

AFOSRJ 424
NORTH CAROLINA STATE COLL RALEIGH
DUAL SERIES RELATIONS
LECTURE SERIES BY DR SNEDDON N C STATE U 1/81 MAR
1963
BY SNEDDON I
INSTRUMENT AF 49C63800159
PROJ/TASK 9769 03

AFOSRJ 425
DELAWARE U NEWARK
THE NEWCOMERS ACCEPTANCE IN OPEN AND CLOSED GROUPS 619626
PERSONNEL ADMINISTRATION 25 24/31 SEP 1962
BY ELLER R C
DDC NUMBER 407716
INSTRUMENT AF/AFOSR /0095/62
PROJ/TASK 9778 02

AFOSRJ 426
MARYLAND U COLLEGE PARK
ON A MEAN/VALUE THEOREM OF THE DIFFERENTIAL CALCULUS OF
VECTOR/VALUED FUNCTIONS, AND UNIQUENESS THEOREMS FOR
ORDINARY DIFFERENTIAL EQUATIONS IN A LINEAR/NORMED SPACE
6 JUL 19626
CONTRIBUTIONS TO DIFF EQUA 1 NO 2 251/271 1963
BY AZIZ A K
DEAS J R
DDC NUMBER 407247
INSTRUMENT AF 49C63800228
PROJ/TASK 9769 01

AFOSRJ 427
YALE U NEW HAVEN CONN
ON THE EXISTENCE OF A THIRD INTEGRAL OF MOTION
ASTRONOMICAL J 68 NO 1 1/14 FEB 1963
BY CONTOPOULOS G
DDC NUMBER 407246
INSTRUMENT AF/AFOSR /0380/62
PROJ/TASK 9769 01

AFOSRJ 428
BRUSSELS FREE U BELGIUM
CORTICOFUGAL PROJECTIONS FROM TEMPORAL LOBE IN CAT AND THE
POSSIBLE ROLE IN ACOUSTIC DISCRIMINATION
J OF PHYSIOLOGY 147 17/18 1959
BY DESMETS J E
MECHSELSE W
INSTRUMENT AF 61C051400112
PROJ/TASK 9777 01

AFOSRJ 430
BRUSSELS FREE U BELGIUM
THE INTERPRETATION OF ELECTRICAL POTENTIALS OF THE CEREBRAL
CORTEX
STRUCTURE - FUNCTION OF THE CEREBRAL CORTEX 2ND INTL MTG
OF NEUROLOGISTS AMSTERDAM 1959
BY BREMER F
INSTRUMENT AF 61C051400112
PROJ/TASK 9777 01

AFOSRJ 431
BRUSSELS FREE U BELGIUM
PROGRESSIVE SENSITIZATION OF A PARTIALLY DENERVATED
CORTICAL AREA TO ITS RESIDUAL AFFERENTS
COMPTES RENDUS DES SEANCES DE LA SOCIETE DE BIOLOGIE 151
NO 12 2204/2208 DEC 1957
BY FRANKEN I
DESMETS J E
DDC NUMBER 407714
INSTRUMENT AF 61C05200120
PROJ/TASK 9777 01

AFOSRJ 432
COLUMBIA U NEW YORK N Y
HYPERFINE STRUCTURE OF THE METASTABLE 64P64556 3P2 STATE
OF 36KR83
PHYS REV 129 NO 3 1214/1220 FEB 1963
BY FAUST W L
CHIU L Y
DDC NUMBER 407901
INSTRUMENT AF 49C63800557
PROJ/TASK 9767 01

AFOSRJ 433
WASHINGTON U ST LOUIS MO
ELECTRON DELocalIZATION INVOLVING SILICON IN IONS DERIVED
FROM BIS 6262 BIPHENYLENE SILANE
J OF AMER CHEM SOC 85 822 1963
BY CONELL R D
URRY G
WETSKMAN S I
DDC NUMBER 407900
INSTRUMENT AF/AFOSR /0365/62
PROJ/TASK 9767 01

AFOSRJ 434
COLUMBIA U NEW YORK N Y
MICROWAVE SPECTRUM, SPECTROSCOPIC CONSTANTS, AND ELECTRIC
DIPOLE MOMENT OF LiF19
J OF CHEM PHYS 38 1203/1210 MAR 1963
BY WHARTON L
KLEMPFERER W
GOLD L P
STRAUCH R
GALLAGHER J J
DEWY V F
DDC NUMBER 407113
INSTRUMENT AF 49C63800557
PROJ/TASK 9767 01

AFOSRJ 436
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
EXTERNAL HYPERSONIC FLOWS
J AEROSPACE ENGR 22 23/31 NO 1 JAN 1963
BY FERRI A
VAGLIO/LAURIN R
DDC NUMBER 407897
INSTRUMENT AF 49C63800217
PROJ/TASK 9769 01

AFOSRJ 437
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
BIOTS VARIATIONAL PRINCIPLE IN HEAT CONDUCTION
AIAA J 1 NO 1 196/206 JAN 1963
BY LARDNER J J
INSTRUMENT AF/AFOSR /0200/62
PROJ/TASK 9762 01

AFOSRJ 439
MINNESOTA U MINNEAPOLIS
CALCULATED AND EXPERIMENTAL CONDUCTOMETRIC TITRATION CURVES
OF INTERMEDIATELY STRONG ACIDS AND BASES IN ACETONITRILE
J AMER CHEM SOC 85 426/430 1963
BY KOLTHOFF I M
CHANTOONI JR M K
DDC NUMBER 408601
INSTRUMENT AF 49C63800519
PROJ/TASK 9769 01

AFOSRJ 440
PITTSBURGH U PA
THE PHOTOINITIATED AXYLATION OF TRIVALENT PHOSPHORUS
COMPOUNDS
J ORGANIC CHEM 27 4711/4712 1962
BY GRIFFIN C E
DDC NUMBER 408601
INSTRUMENT AF/AFOSR /0048/62
PROJ/TASK 9762 01

AFOSRJ 441
NORTH CAROLINA U CHAPEL HILL
ON SOME CONNECTIONS BETWEEN THE DESIGN OF EXPERIMENTS AND
INFORMATION THEORY
BULL OF THE INTERNATIONAL STAT INST 38 PT 4 257/271
1961
BY ROSE R C
DDC NUMBER 408294
INSTRUMENT AF/AFOSR /0084/63
PROJ/TASK 9769 02

AFOSRJ 442
PISA U ITALY
A TOPOLOGICAL PROPERTY OF RUNGE PAIRS
ANNALS OF MATH 76 499/509 NOV 1962
BY ANDREOTTI A
NARASIMHAN P
DDC NUMBER 413771
INSTRUMENT AF/EDAR /0035/62
PROJ/TASK 9769 02

AFOSRJ 443
MINNESOTA U MINNEAPOLIS
THE ILSTON AND FEYNMAN INTEGRALS
ILSTON AND FEYNMAN INTEGRALS J ANALYSE MATH 10
287/361 1962/63
BY CAMERON R H
INSTRUMENT AF/AFOSR /0242/62
PROJ/TASK 9769 02

AFOSRJ 444
CALIFORNIA U BERKELEY
HOMOTOPY/ARFELIAN TOPOLOGICAL GROUPS
TOP 1 237/240 1962
BY JAMES I
THOMAS F
INSTRUMENT AF/AFOSR /0346/63
PROJ/TASK 9769 02

AFOSRJ 445
CALIFORNIA U BERKELEY
ON THE MOD 2 COHOMOLOGY OF CERTAIN M/SPACES
COMMENTARIJ MATHEMATICI HELVETICI 37 NO 2 132/140 1962
BY THOMAS F
DDC NUMBER 407114
INSTRUMENT AF/AFOSR /0346/63
PROJ/TASK 9769 02

AFOSRJ 446
RICE U HOUSTON TEX
THE DETERMINATION OF A COEFFICIENT IN A PARABOLIC
DIFFERENTIAL EQUATION PART II. NUMERICAL APPROXIMATION
J NOV 19626
J MATH AND MECH 11 NO 6 919/926 NOV 1963
BY DOUGLAS JR J
JONES JR R F
DDC NUMBER 407114
INSTRUMENT AF/AFOSR /0233/62
PROJ/TASK 9769 02

APOSJ 447
RICE U HOUSTON TEX
NUMERICAL METHODS FOR INTEGRO-DIFFERENTIAL EQUATIONS OF
PARABOLIC AND HYPERBOLIC TYPES
NUMERISCHE MATHEMATIK 4 96/102 1962
BY DOUGLAS J DDC NUMBER 407271
JONES JR B F INSTRUMENT AF/AFOCR /0293/62
PROJ/TASK 9749 02

APOSJ 448
RICE U HOUSTON TEX
CLASS D SUPERMARTINGALES
BULL OF THE AMER MATH SOC 69 NO 1 98/62 JAN 1963
BY JOHNSON G DDC NUMBER 407899
MELMS L L INSTRUMENT AF/AFOCR /0293/62
PROJ/TASK 9749 02

APOSJ 449
CHICAGO U ILL
ON ONE-SIDED LOCALIZATION OF TRIGONOMETRIC SERIES
STUDIES IN MATHEMATICAL ANALYSIS - RELATED TOPICS 435/447
1962
BY ZYGMUND A INSTRUMENT AF 49638000491
PROJ/TASK 9749 02

APOSJ 449
NORTH CAROLINA U CHAPEL HILL
RESOLVABLE INCOMPLETE BLOCK DESIGNS WITH TWO REPLICATIONS
EREB 19626
SANKHYN THE INDIAN J OF STAT 24 PT 1 9/24 FEB 1962
BY BOSE R C DDC NUMBER 407899
NAIR K R INSTRUMENT AF 49638000213
PROJ/TASK 9749 02

APOSJ 449
CALIFORNIA U LOS ANGELES
CHEMISTRY OF POSITIVE IONS II. ION/MOLECULE REACTIONS IN
RADOLYSIS OF NUTRANE AT LOW TEMPERATURE
J CHEM PHYS 37 2496/2497 NOV 1962
BY LIBBY W F DDC NUMBER 407899
REYAN L INSTRUMENT AF 49638000901
PROJ/TASK 9760 01

APOSJ 449
BERLIN FREE U WEST BERLIN WEST GERMANY
HOW THE VOLUME REFLEX CHANGES SODIUM EXCRETION IN THE DOG
VERM DISCH GES KREISL /FORSCH 25 263/265 1959
BY PARKS F DDC NUMBER 407899
GAUER O W INSTRUMENT AF 61605200031
PROJ/TASK 9777 01

APOSJ 444
BERLIN FREE U WEST BERLIN WEST GERMANY
ANTI-DIURETIC AND DIURETIC IN THE RAT AFTER TONERPHIN
INJECTION
PFLUGERS ARCH PHYSIOL 274 262/271 1961
BY WITTE F DDC NUMBER 407899
RFINCK H INSTRUMENT AF 61605200031
GAUER O W PROJ/TASK 9777 01

APOSJ 445
BERLIN FREE U WEST BERLIN WEST GERMANY
KIDNEY HEMODYNAMICS AND EXCRETORY FUNCTION IN THE KIDNEY
DURING DEFINITE CHANGES IN BLOOD VOLUME
PFLUGERS ARCH PHYSIOL 274 213/226 1961
BY PABST K DDC NUMBER 407899
CAUER O W INSTRUMENT AF 61605200031
PROJ/TASK 9777 01

APOSJ 446
BERLIN FREE U WEST BERLIN WEST GERMANY
CENTRAL VENOUS PRESSURE IN MAN DURING ACUTE ARTERIAL
HYPERTENSION
PFLUGERS ARCH PHYSIOL 274 242/261 1961
BY THRON H S DDC NUMBER 407899
MINTZE A INSTRUMENT AF 61605200031
PROJ/TASK 9777 01

APOSJ 447
BERLIN FREE U WEST BERLIN WEST GERMANY
THE EFFECT OF ACUTE ARTERIAL HYPERTENSION ON THE VEIN OF THE
HAND IN MAN
PFLUGERS ARCH PHYSIOL 274 227/251 1961
BY MINTZE A DDC NUMBER 407899
THRON H L INSTRUMENT AF 61605200031
PROJ/TASK 9777 01

APOSJ 448
BERLIN FREE U WEST BERLIN WEST GERMANY
KIDNEY FUNCTION DURING BILATERAL CLAMPING OF THE CAROTID
ARTERIES IN THE DOG
PFLUGERS ARCH PHYSIOL 276 117/141 1962
BY SOMLYAY L DDC NUMBER 407899
THRON H L INSTRUMENT AF 61605200031
PETRAN K PROJ/TASK 9777 01
CARL G

APOSJ 449
BERLIN FREE U WEST BERLIN WEST GERMANY
PROPERTIES OF VEINS IN VIVO
PHYSIOL REV 42 283/308 1962
BY GAUER O W DDC NUMBER 407899
THRON H L INSTRUMENT AF 61605200031
PROJ/TASK 9777 01

APOSJ 449
ILLINOIS U SPRINGFIELD
A NEW CLASS OF TURNABLE RC NULL NETWORKS, 1963
MIDWEST SYMP PROC WISCONSIN 8/1/62 MAY 1963
BY GALAHAN D A DDC NUMBER 407899
INSTRUMENT AF/AFOCR /0293/62
PROJ/TASK 9749 01

APOSJ 441
CHICAGO U ILLINOIS
PRIMARY COSMIC RAY AND SOLAR PROTONS II
PHYS REV 129 2275/2279 MAR 1963
BY MEYER P DDC NUMBER 407717
VOGT R INSTRUMENT AF/AFOCR /0023/62
PROJ/TASK 9774 02

APOSJ 462
YALE U NEW HAVEN CONN
THEORY OF PRESSURE SHIFTS OF HCL LINES CAUSED BY NOBLE GASES
J OF CHEM PHYS 38 1259/1260 MAR 1963
BY WARGENTHAU M DDC NUMBER 407899
JACOBSON M C INSTRUMENT AF 18603000014
PROJ/TASK 9774 01

APOSJ 463
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
ON THE VISUAL EFFECTS PRODUCED BY A TEST OBJECT CONSISTING
OF TWO STRIPES DARKER THAN THE BACKGROUND INTERSECTING WITH
ONE ANOTHER. I. STRIPES OF DIFFERENT WIDTHS
ATTI DELLA FONDAZIONE GEORGIO RONCHI 10 NO 1 47/70
JAN / FEB 1963
BY RONCHI I DDC NUMBER 407116
ROTTAI G INSTRUMENT AF/EOAR /0004/63
PROJ/TASK 9777 01

APOSJ 464
CAROLINSEA INST STOCKHOLM SWEDEN
EFFECTS OF DIFFERENT TYPES OF VASODILATOR MECHANISMS ON
VASCULAR TONUS AND ON TRANSCAPILLARY EXCHANGE OF DIFFUSIBLE
MATERIAL IN SKELETAL MUSCLE
ACTA PHYSIOL SCAND 44 241/251 1962
BY BENJIN F M DDC NUMBER 407117
ROSELL S INSTRUMENT AF 616052000502
PROJ/TASK 9777 01

APOSJ 465
CAROLINSEA INST STOCKHOLM SWEDEN
THE INFLUENCE OF SYMPATHETIC ADRENERGIC VASOCONSTRICTOR
NERVES ON TRANSPORT OF DIFFUSIBLE SOLUTES FROM BLOOD TO
TISSUES IN SKELETAL MUSCLE
ACTA PHYSIOL SCAND 44 223/240 1962
BY BENJIN F M DDC NUMBER 407118
ROSELL S INSTRUMENT AF 616052000502
PROJ/TASK 9777 01

APOSJ 466
BRUSSELS FREE U BELGIUM
THE EFFECTS OF BROMOCAPTETHANOL AND DITHIOGLYCOL ON THE
GROWTH OF ESCHERICHIA COLI AND OF SACCHAROMYCES CEREVISIAE
EXPER CELL RESEARCH 29 61/72 1963
BY S LIMBROSC/ROLIN DDC NUMBER 412872
INSTRUMENT AF 616052000356
PROJ/TASK 9777 01

APOSJ 447
GOTEBORG U SWEDEN
INVERSE ENZYMIC CHANGES IN NEURONS AND GLIA DURING
INCREASED FUNCTION AND HYPOXIA
J OF CELL BIOLOGY 16 NO 3 521/525 1963
BY HAMBURGER A DDC NUMBER 407899
HYDEN H INSTRUMENT AF 61605200248
PROJ/TASK 9777 01

APOSJ 468
GOTEBORG U SWEDEN
ADENOSINE TRIPHOSPHATE LEVELS AND ADENOSINE TRIPHOSPHATASES
IN NEURONS GLIA AND NEURONAL MEMBRANES OF THE VESTIBULAR
NUCLEUS
BIOCHEM BIOPHYS ACTA 60 271/283 1962
BY CUMMINS J DDC NUMBER 408211
HYDEN H INSTRUMENT AF 61605200248
PROJ/TASK 9777 01

APOSJ 469
SHEFFIELD U ENGLAND
THE METABOLISM OF C2/COMPOUNDS IN MICROORGANISMS. 9. ROLE
OF THE GLYOXYLATE CYCLE IN PROTOZOAL GLYCOGENE GENESIS
J BIOCHEM 86 462/468 1963
BY HOGG J F DDC NUMBER 407101
KORNERBERG H L INSTRUMENT AF 616052000180
PROJ/TASK 9777 01

APOSJ 470
LEICESTER U ENGLAND
AN IMPROVED SYNTHESIS OF DL/6/14CGLYCERIC ACID
J OF CHEM SOC 480 2963/2964 APR 1963
BY ASHWORTH J M DDC NUMBER 408644
INSTRUMENT AF/EOAR /0023/62
PROJ/TASK 9777 01

APOSJ 471
GOTEBORG U SWEDEN
THE NEURON AND ITS GLIA // A BIOCHEMICAL AND FUNCTIONAL UNIT
ENDEAVOUR 21 NO 83/84 144/145 OCT 1962
BY HYDEN H DDC NUMBER 407899
INSTRUMENT AF/EOAR /0029/62
PROJ/TASK 9777 01

APOSJ 472
AGRICULTURAL RESEARCH COUNCIL LONDON ENGLAND
HYPOGASTRIC NERVE OF THE DOG
NATURE 197 NO 4869 304/306 FEB 1963
BY VOGT M DDC NUMBER 407899
INSTRUMENT AF/EOAR /0014/62
PROJ/TASK 9777 01

APOSJ 473
LAVAL U QUEBEC CANADA
EFFECT OF THYROXINE PRETREATMENT ON THE UPTAKE AND
ORNIFICATION OF RADIOACTIVE IODINE BY INCUBATED THYROID
FRAGMENTS OF GUINEA PIGS
LAVAL MEDICAL 33 NO 7 507/515 SEP 1962
BY FORTIER C DDC NUMBER 407243
SCHINDLER W J INSTRUMENT AF/AFOCR /0015/61
PROJ/TASK 9777 01

AFOSRJ 474
NORTH CAROLINA U CHAPEL HILL
RESPONSE MODEL COEFFICIENTS AND THE INDIVIDUAL DEGREES OF
FREEDOM OF A FACTORIAL DESIGN
BIOMETRICS 18 NO 2 160/171 JUNE 1962
BY BOSE R C DDC NUMBER 408214
CARTER R L INSTRUMENT AF 49<638>00213
PROJ/TASK 9749 02

AFOSRJ 475
BRITISH COLUMBIA U VANCOUVER CANADA
APPROXIMATION PROPERTIES OF MEASURES GENERATED BY
CONTINUOUS SET FUNCTION
MATHEMATIKA 9 145/156 1962
BY STON M DDC NUMBER 407109
S.JERVE D INSTRUMENT AF/AFOSR /0261/62
PROJ/TASK 9749 02

AFOSRJ 477
PRINCETON U N J
WIDE/RANGE PHOTOGRAPHIC PHOTOMETRY
REV SCI INSTRUMENTS 34 162/167 FEB 1963
BY DOBBINS R A DDC NUMBER 407718
CROCCO L INSTRUMENT AF 49<638>00938
GLASSMAN I PROJ/TASK 9711 01

AFOSRJ 478
CAMBRIDGE U ENGLAND
COMPARISON OF THE EFFECTS OF PARTIAL AND TOTAL LATERAL
FRONTAL LESIONS ON TEST PERFORMANCE BY MONKEYS
J COMP - PHYSIOL PSYCHOL 56 41/47 1963
BY GROSS G INSTRUMENT AF 61<052>00185
PROJ/TASK 9778 01

AFOSRJ 480
STANFORD U CAL
SCATTERING OF HIGH/ENERGY POSITRONS FROM PROTONS
PHYS REV 128 1842/1849 NOV 1962
BY YOUNG D DDC NUMBER 407819
PINE J INSTRUMENT NONR /25116
PROJ/TASK 9751 01

AFOSRJ 481
SOUTHERN CALIFORNIA U LOS ANGELES CALIF
VISCOS COMPRESSIBLE AND INCOMPRESSIBLE FLOW IN SLENDER
CHANNELS
AIAA J 1 186/195 1963
BY WILLIAM J C DDC NUMBER 408215
INSTRUMENT AF 49<638>00831
PROJ/TASK 9783 01

AFOSRJ 482
WESTERN RESERVE U CLEVELAND OHIO
INFORMATION RETRIEVAL AT WESTERN RESERVE UNIVERSITY
ELEKTRONISCHE DATENVERARBEITUNG 1 4/8 1963
BY BELZER J DDC NUMBER 407254
INSTRUMENT AF/AFOSR /0035/62
PROJ/TASK 9769 01

AFOSRJ 483
PENNSYLVANIA U PHILADELPHIA
COMPUTERS, COMMUNICATIONS, AND SCIENCE / EXTENDING MANS
INTELLPCT
INFORMATION RETRIEVAL MANAGEMENT AMERICAN DATA PROCESSING
INC CHAPT 17 MAR 1963
BY GORN S INSTRUMENT AF 49<638>00951
PROJ/TASK 9769 02

AFOSRJ 484
MCMASTER U HAMILTON ONTARIO CANADA
THE NUCLEAR MAGNETIC RESONANCE SPECTRUM OF SULPHUR
TETRAFLUORIDE
CANADIAN J CHEM 41 1016/1018 1963
BY BACON J DDC NUMBER 414148
GILLESPIE R J INSTRUMENT AF/AFOSR /0021/62
CUAIL J W PROJ/TASK 9710 01

AFOSRJ 485
RICE U HOUSTON TEX
MONOGRAPH IN MATHEMATICS, ASYMPTOTIC VALUES OF HOLOMORPHIC
FUNCTIONS, 1963
J WILLIAM MARCH RICE U 49 NO 1 83 WINTER 1963
BY MACLANE G R DDC NUMBER 406242
INSTRUMENT AF/AFOSR /0094/62
PROJ/TASK 9749 02

AFOSRJ 486
MINNESOTA U MINNEAPOLIS
ON A GENERALIZATION OF THE FINITE ARCSINE LAW
ANNALS OF MATH STAT 33 NO 3 909/915 SEP 1962
BY BAXTER G DDC NUMBER 407878
INSTRUMENT AF/AFOSR /0252/62
PROJ/TASK 9749 02

AFOSRJ 487
MINNESOTA U MINNEAPOLIS
A NORM INEQUALITY FOR A FINITE/SECTION WIENER/HOPF EQUATION
ILLINOIS J OF MATH 7 NO 1 97/103 MAR 1963
BY BAXTER G DDC NUMBER 407877
INSTRUMENT AF/AFOSR /0252/62
PROJ/TASK 9749 02

AFOSRJ 488
STANFORD U CAL
DETERMINATION OF THE DEUTERON FORM FACTOR FROM COHERENT
PHOTOPRODUCTION
PHYS REV 129 2802/2807 MAR 1963
BY FRIEDMAN J DDC NUMBER 407863
KENDALL H W INSTRUMENT NONR /2256676
PROJ/TASK 9751 01

AFOSRJ 489
STANFORD U CAL
UPPER LIMIT OF THE ELECTRIC DIPOLE MOMENT OF THE ELECTRON
PHYS REV 129 2580/2581 MAR 1963
BY GOLDBERG J DDC NUMBER 407861
TORIZUKA Y INSTRUMENT NONR /2256676
PROJ/TASK 9751 01

AFOSRJ 490
STANFORD U CAL
STUDY OF NUCLEAR MAGNETIC TRANSITIONS BY INELASTIC ELECTRON
SCATTERING
NUCL PHYS 41 461/481 1963
BY BARBER W C DDC NUMBER 415317
GOLDFMFRG J INSTRUMENT NONR /2256676
PETERSON C A PROJ/TASK 9751 01
TORIZUKA Y

AFOSRJ 491
CAMBRIDGE U ENGLAND
EFFECTS OF DEPRIVATION ON DELAYED RESPONSE AND DELAYED
ALTERNATION PERFORMANCE BY NORMAL AND BRAIN OPERATED MONKEY
J COMP AND PHYSIOL PSYCH 56 48/51 1963
BY GROSS G DDC NUMBER 415239
INSTRUMENT AF 61<052>00185
PROJ/TASK 9778 01

AFOSRJ 492
CAMBRIDGE U ENGLAND
DISCRIMINATION REVERSAL AFTER LATERAL FRONTAL LESIONS IN
MONKEYS
J COMP AND PHYSIOL PSYCHO 56 NO 1 52/55 1963
BY GROSS C DDC NUMBER 407871
INSTRUMENT AF 61<052>00185
PROJ/TASK 9778 01

AFOSRJ 493
RUTGERS STATE U NEW BRUNSWICK N J
INFORMATION RETRIEVAL
SCIENCE 140 606/609 1010 MAY 1963
BY SHAW R R DDC NUMBER 407864
INSTRUMENT AF/AFOSR /0009/62
PROJ/TASK 9769 01

AFOSRJ 494
GOTEBORG U SWEDEN
FLUORIMETRIC DETERMINATION OF 3/0/METHYLATED DERIVATIVES OF
ADRENALINE AND NORADRENALINE IN TISSUES AND BODY FLUIDS
ACTA PHYSIOL SCAND 56 258/266 1962
BY HAGGENDAL J DDC NUMBER 407859
INSTRUMENT AF/EOAR /0044/61
PROJ/TASK 9777 01

AFOSRJ 495
UPPSALA U SWEDEN
IMPROVED EXPERIMENTAL METHODS FOR MEASUREMENTS OF NUCLEAR
LIFETIMES DOWN TO 10/11 SECONDS.
ARKIV FOR FYSIK 24 199/220 1963
BY LINDSKOG J DDC NUMBER 407857
SUNDSTROM T INSTRUMENT AF/AFOSR /0123/62
PROJ/TASK 9751 02

AFOSRJ 496
UPPSALA U SWEDEN
DETERMINATION OF THE ELECTROMAGNETIC TRANSITION
PROBABILITIES IN THE GROUND STATE DECAY OF AUG. 199
ARKIV FOR FYSIK 24 161 169 JAN 1963
BY LINDSKOG J DDC NUMBER 407858
SUNDSTROM T INSTRUMENT AF/AFOSR /0123/62
LINDSTROM J O PROJ/TASK 9751 02
SPARMAN P

AFOSRJ 498
MISSISSIPPI U UNIVERSITY
THE SELF/JUDGMENT PRINCIPLE IN SCIENTIFIC DATA PROCESSING
IND ENGINEERING CHEM 55 29/32 APR 1963
BY DE MAINF P A D INSTRUMENT AF/AFOSR /0019/62
SEAWRIGHT R D PROJ/TASK 9710 03

AFOSRJ 499
INST FOR ADVANCED STUDY PRINCETON N J
ON AN ORDINARY DIFFERENTIAL EQUATION. / / / .
PROC OF THE AMER MATH SOC 10 NO 1 82/86 FEB 1959
BY KEMP R R DDC NUMBER 407862
INSTRUMENT AF 18<600>01109
PROJ/TASK 9749 02

AFOSRJ 500
STANFORD U CAL
PHOTOPROTONS FROM OXYGEN, FLUORINE, NEON AND OTHER LIGHT
ELEMENTS
PHYS REV 127 1746/1771 SEP 1962
BY DODGE W H INSTRUMENT NONR /25116
BARBER W C PROJ/TASK 9751 01

AFOSRJ 501
STANFORD U CAL
INELASTIC ELECTRON SCATTERING FROM V51
PHYS REV 128 792/800 OCT 1962
BY KENDALL H W INSTRUMENT NONR /25116
TALMI I PROJ/TASK 9751 01

AFOSRJ 502
STANFORD U CAL
DEUTRON MAGNETIC DIPOLE DISINTEGRATION BY 180 DEGREES
ELECTRON SCATTERING
PHYS REV 128 812/820 OCT 1962
BY PETERSON C A INSTRUMENT NONR /25116
BARBER W C PROJ/TASK 9751 01

AFOSRJ 503
STANFORD U CAL
A THEORY OF VERY LOW FREQUENCY EMISSIONS FROM THE
EXOSPHERE, NOVEMBER 1962
J GEOPHYS RSCH 67 4897/4899 NOV 1962
BY BRICE N DDC NUMBER 414599
INSTRUMENT AF 18<603>00126
PROJ/TASK 9768 01

AFOSRJ 504
NEW YORK U NEW YORK
ON THE MALKUS THEORY OF TURBULENCE
COLLOQUES INTL DE CENTRE NATIONAL DE LA RESHERCHE
SCIENTIFIQUE MARSEILLE 108 181/208 AUG / SEP 1961
BY SPIEGEL E A DDC NUMBER 406281
INSTRUMENT AF 49<638>01065
PROJ/TASK 9767 03

AFOSRJ 505
MICHIGAN STATE U EAST LANSING
ASYMMETRIC/TOP VIBRATION/ROTATION HAMILTONIANS
J OF CHEM PHYS 38 8/17 JAN 1963
BY CHUNG K T DDC NUMBER 407876
INSTRUMENT AF/AFOSR /0375/62
PARKER P M PROJ/TASK 9767 01

AFOSRJ 506
CHICAGO U ILL
FLUORESCENCE SPECTRA AND LIFETIMES OF SOME RARE/EARTH
COMPOUNDS
J OF CHEM PHYS 137 3011/3012 DEC 1962
BY RICKE F F DDC NUMBER 407874
ALLISON R INSTRUMENT AF/AFOSR /0292/62
PROJ/TASK 9767 02

AFOSRJ 507
ILLINOIS U URBANA
MILLIMETER WAVE CAVITY COUPLING BY QUARTER/WAVE TRANSFORMER
[RE TRANS MICROWAVE THEORY AND TECHNIQUES MTT/10
NOV 1962
BY STRAIN R J DDC NUMBER 407875
COLEMAN P D INSTRUMENT AF/AFOSR /0287/62
PROJ/TASK 9767 02

AFOSRJ 508
ROCHESTER U N Y
TEMPORAL COHERENCE OF BLACK BODY RADIATION
PHYS SOC 8 1273/1276 1962
BY KANO Y INSTRUMENT AF/AFOSR /0246/62
WOLF E PROJ/TASK 9767 02

AFOSRJ 509
MICHIGAN U ANN ARBOR MICH
MAGNETIC PROPERTIES OF POLYCRYSTALLINE MATERIALS
J PHYS CHEM SOLIDS 12 28/40 1959
BY GRIMES D M DDC NUMBER 414058
HARRINGTON R D INSTRUMENT AF 49<638>00986
RASMUSSEN A L PROJ/TASK 9763 01

AFOSRJ 510
MICHIGAN U ANN ARBOR MICH
LOW/TEMPERATURE HEAT CAPACITIES - THERMODYNAMIC PROPERTIES
OF ZINC FERRITES/III. EFFECT OF COPPER SUBSTITUTION
J PHYS CHEM SOLIDS 10 120/125 1959
BY WESTRUM JR E F DDC NUMBER 414055
INSTRUMENT AF 49<638>00986
PROJ/TASK 9763 01

AFOSRJ 511
MICHIGAN U ANN ARBOR MICH
VARIATIONS OF PERMITTIVITY WITH ELECTRIC FIELD IN
PEROVSKITE/LIKE FERROELECTRICS
J APPL PHYS 32 909/915 MAY 1961
BY DIAMOND H DDC NUMBER 414054
INSTRUMENT AF 49<638>00986
PROJ/TASK 9763 01

AFOSRJ 512
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
ON THE ACCURACY OF APPROXIMATE THRUST STEERING SCHEDULES IN
OPTIMAL CORRECTIONAL MANEUVERS
ASTRONAUTICA ACTA 9 20/30 1963
BY MOSKOWITZ S E INSTRUMENT AF 49<638>00445
PROJ/TASK 9781 01

AFOSRJ 513
ROYAL COLL OF SCIENCE AND TECH GLASGOW SCOTLAND
GAS/IONIZING SHOCK AND COMBUSTION WAVES IN
MAGNETOGASDYNAMICS
J FLUID MECH 14 405/419 1962
BY HELLIWELL J B INSTRUMENT AF/EOAR /0049/61
PROJ/TASK 9749 01

AFOSRJ 514
HULL U ENGLAND
HOMOGENEOUS GAS/PHASE DECOMPOSITION OF HYDROGEN PEROXIDE
EIGHTH INTL SYMP ON COMBUSTION 110/119 1962
BY BALDWIN R R INSTRUMENT AF 61<052>00062
BRATTAN D PROJ/TASK 9750 02

AFOSRJ 515
BRANDEIS U WALTHAM MASS
QUANTUM THEORY OF INTERACTING BOSONS
ANNALS OF PHYS 9 292/324 1960
BY GROSS E P INSTRUMENT AF 49<638>00027
PROJ/TASK 9767 01

AFOSRJ 516
MINNESOTA U MINNEAPOLIS
ASYMPTOTIC BEHAVIOR OF SUCCESSIVE COEFFICIENTS OF SOME POWE
SERIES
ILLINOIS J OF MATH 6 620/629 DEC 1962
BY GARSIA A M DDC NUMBER 411475
GREY S INSTRUMENT AF 49<638>00617
RODEMICH E PROJ/TASK 9749 02

AFOSRJ 517
PRINCETON U N J
A NEW APPROACH TO ALMOST PERIODICITY
PROC NATL ACAD SCI 48 NO 12 2039/2043 DEC 1962
BY BOCHNER S DDC NUMBER 415315
INSTRUMENT AF 49<638>00578
PROJ/TASK 9749 02

AFOSRJ 518
WESTERN ONTARIO U LONDON CANADA
THE SCATTERING OF LOW/ENERGY ORTHO/POSITRONIUM BY HYDROGEN
ATOMS
PROC PHYS SOC LONDON 78 329/347 1961
BY FRASER P A DDC NUMBER 414432
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 519
WESTERN ONTARIO U LONDON CANADA
THE FRANCH/CONDON FACTOR GOV V6 ARRAY HIGH VEPRATIONAL
QUANTUM NUMBERS FOR THE O26B3E/U /X3X-G6 SCHUMANN/RUNGE
BAND SYSTEM
CANADIAN J PHYS 38 1705/1711 1960
BY NICHOLLS R W DDC NUMBER 414440
INSTRUMENT AF 49<638>00640
PROJ/TASK 9767 02

AFOSRJ 520
BRANDEIS U WALTHAM MASS
STRUCTURE OF A QUANTIZED VORTEX IN BOSON SYSTEMS
IL NUOVO CIMENTO 20 1766/1789 1961
BY GROSS E P DDC NUMBER 414439
INSTRUMENT AF 49<638>00027
PROJ/TASK 9767 01

AFOSRJ 521
BRANDEIS U WALTHAM MASS
RECENT INVESTIGATIONS OF THE BOLZMANN EQUATION
RAREFIED GAS DYNAMICS PERGAMON PRESS 139/150 1960
BY GROSS E P INSTRUMENT AF 49<638>00027
PROJ/TASK 9767 01

AFOSRJ 522
HULL U ENGLAND
THERMAL AND ISOTHERMAL EXPLOSIONS IN THE INHIBITION OF THE
HYDROGEN - OXYGEN REACTION BY HYDROCARBONS
TRANS OF THE FARADAY SOC 58 60/65 JAN 1962
BY BALDWIN R R DDC NUMBER 406786
BOOTH D INSTRUMENT AF 61<052>00062
WALKER R W PROJ/TASK 9750 02

AFOSRJ 523
STEVENS INST OF TECH HOBOKEN N J
INTERACTION BETWEEN PLASMA AND A TWO/DIMENSIONAL MAGNETIC
DIPOLE
PHYS OF FLUIDS 5 NO 5 1305/1306 OCT 1962
BY BOSTICK W H INSTRUMENT AF 49<638>01051
BYFIELD H PROJ/TASK 9752 01
NAKAGAWA Y
WELLS D

AFOSRJ 524
STANFORD U CAL
MAGNETIC ELASTIC SCATTERING OF ELECTRONS BY LIGHT NUCLEI
PHYS REV 129 312/315 JAN 1963
BY J GOLDBERGER AND Y TORIZ
TORIZUKA Y INSTRUMENT NONR /2256676
PROJ/TASK 9751 01

AFOSRJ 525
STANFORD U CAL
EXPERIMENTAL INVESTIGATION OF PION ELECTROPRODUCTION
PHYS REV 129 1834/1846 FEB 1963
BY HAND L N INSTRUMENT NONR /2256676
PROJ/TASK 9751 01

AFOSRJ 526
TECHNISCHE HOCHSCHULE VIENNA AUSTRIA
DURCHSCHLAGEN EINER FLACHEN KUGELSCHALE AUS VISKOELASTISCHE
MATERIAL
OSTERREICHISCHES INGENIEUR/ARCHIV 16 286/298 1962
BY TUNGL E INSTRUMENT AF 61<052>00214
PROJ/TASK 9749 01

AFOSRJ 527
SYSTEMS DEVELOPMENT CORP SANTA MONICA CALIF
ON ASSESSING THE EFFECTIVENESS OF ADMINISTERING PRIORITIES
IN INFORMATION SYSTEMS
PROC OF THE MILITARY OPERATIONS RESEARCH SYMPOSIA 2
31/45 16/18 OC; 1962
BY ROME B K DDC NUMBER 408407
ROME S C INSTRUMENT AF 49<638>01188
PROJ/TASK 9769 03

AFOSRJ 528
MASSACHUSETTS U AMHERST
NOISE AND HUMAN PERFORMANCE. A PSYCHOPHYSIOLOGICAL APPROACH
ERGONOMICS 6 83/97 JAN 1963
BY TEICHNER W H DDC NUMBER 407867
AREES E INSTRUMENT AF/AFOSR /0202/62
REILLY R PROJ/TASK 9778 01

AFOSRJ 530
CALIFORNIA U DAVIS
THE INTERSECTION OF FIBONACCI SEQUENCES
MICHIGAN MATH J 9 399/402 1962
BY STEIN S K DDC NUMBER 407872
INSTRUMENT AF/AFOSR /0299/62
PROJ/TASK 9749 02

AFOSRJ 531
PISA U ITALY
ON THE PSEUDO/RIGIDITY OF STEIN MANIFOLDS
ANNALI DELLA SCUOLA NORMALE SUPERIORE DI PISA 16 213/223
1962
BY ANDREOTTI A DDC NUMBER 407855
VESEUTINI E INSTRUMENT AF/EOAR /0035/62
PROJ/TASK 9749 02

AFOSRJ 933
OKLAHOMA STATE U STILLWATER
DETERMINATION OF MERCAPTO GROUPS IN OVALBUMIN WITH
FERRICYANIDE
ARCH BIOCHEM BIOPHYS 02 NO 12 319/329 JUNE 1959
BY KATYAL J M
GORIN G
INSTRUMENT AF 18<603>00135
PROJ/TASK 9777

AFOSRJ 934
HARVARD U CAMBRIDGE MASS
SHAPE AND ARRANGEMENT OF COLUMNS IN CATS STRIATE CORTEX
J PHYSIOL 165 559/568 1963
BY HUBEL D H
WEISEL T N
INSTRUMENT AF/AFOSR /0076/62
PROJ/TASK 9777 01

AFOSRJ 936
NEW YORK U NEW YORK
MAGNETOHYDRODYNAMIC MACH CONES
J AEROSPACE SCI 29 NO 12 1476/1479 DEC 1962
BY CUMBERBATH E
DDC NUMBER 407868
INSTRUMENT AF 49<638>
PROJ/TASK 9749 01

AFOSRJ 937
NEW YORK U NEW YORK
MAGNETOHYDRODYNAMIC FLOW PAST A THIN AIRFOIL
ATAA J 1 NO 3 679/690 MAR 1963
BY CUMBERBATH E
SARASON L
WEITZNER M
DDC NUMBER 407871
INSTRUMENT AF 49<638>01006
PROJ/TASK 9749 01

AFOSRJ 938
NEW YORK U NEW YORK
DISPERSION RELATIONS IN RAREFIED GAS DYNAMICS
PHYS OF FLUIDS 6 NO 1 10/20 JAN 1963
BY SIROVICH L
DDC NUMBER 414695
INSTRUMENT AF 49<638>01006
PROJ/TASK 9749 01

AFOSRJ 939
MIAMI U CORAL GABLES FLA
AN EXAMPLE OF HYPERFRAGMENT DECAY IN THE P_1 - MODE AND OTHER
INTERACTIONS OF K^0 MESONS AND HYPERONS IN EMULSIONS
NUOVO CIMENTO 27 774/785 FEB 1963
BY BLAU M
CARTER C F
PERLMUTTER A
INSTRUMENT AF 49<638>00097
PROJ/TASK 9750

AFOSRJ 940
MASSACHUSETTS INST OF TECH CAMBRIDGE
ZFEMAN EFFECT OF THE R LINES IN CR2O3
J APPL PHYS 34 NO 4 1242/1243 APR 1963
BY STAGER C V
DDC NUMBER 408013
INSTRUMENT AF 19<604>07344
PROJ/TASK 9764 00

AFOSRJ 941
MASSACHUSETTS INST OF TECH CAMBRIDGE
MAGNETOELECTRIC EFFECTS IN CR2O3 AND 4CR2O3.6.8 6A120360.2
J APPL PHYS 34 NO 4 1246/1247 APR 1963
BY FOMER S
HANABUSA H
DDC NUMBER 419916
INSTRUMENT AF 19<604>07344
PROJ/TASK 9764 00

AFOSRJ 942
OREGON U EUGENE
OPTICAL AND ESR SPECTRA OF IRRADIATED CaO CRYSTALS
J PHYS SOLID 24 332/333 1963
BY KEMP J C
NEELPY V I
DDC NUMBER 408016
INSTRUMENT AF/AFOSR /0180/62
PROJ/TASK 9763 02

AFOSRJ 943
STANFORD U CAL
ANNIHILATION IN FLIGHT OF 200 AND 800 MEV POSITRONS
IL NUOVO CIMENTO 27 7/855 FEB 1963
BY BROWMAN A
PINE J
DDC NUMBER 408015
INSTRUMENT NOMR /2296676
PROJ/TASK 9751 01

AFOSRJ 944
CHICAGO U ILL
COMMENTS ON CORONAL HEATING
SOLAR CORONA ACADEMIC PRESS INC N Y 11/19 1962
BY PARKER F N
DDC NUMBER 408598
INSTRUMENT AF 18<600>00666
PROJ/TASK 9774 02

AFOSRJ 945
CAMBRIDGE LANGUAGE RESEARCH UNIT ENGLAND
SEMANTIC MESSAGE DETECTION FOR MACHINE TRANSLATION, USING A
INTERLINGUA
PROC FIRST INTL CONF ON MACHINE TRANSLATION OF LANGUAGES
APPLIED LANGUAGE ANALYSIS NATL PHYSICAL LAB ENGLAND
7/36 5/8 SEP 1961
BY MASTERMAN M
INSTRUMENT AF 61<032>00542
PROJ/TASK 9769 02

AFOSRJ 946
CAMBRIDGE LANGUAGE RESEARCH UNIT ENGLAND
THE INTELLECTS NEW FIVE
FREEING THE MIND FROM TIMES LITERARY 38/44 27 APR 1962
BY MASTERMAN M
DDC NUMBER 411466
INSTRUMENT AF 61<032>00542
PROJ/TASK 9769 02

AFOSRJ 947
RUTGERS STATE U NEW BRUNSWICK N J
ELECTRONIC STORAGE AND SEARCHING
FREEING THE MIND FROM THE TIMES LITERARY SUPPLEMENT 19/23
6 APR 1962
BY SHAW R
INSTRUMENT AF/AFOSR /0009/62
PROJ/TASK 9749 01

AFOSRJ 948
HARVARD U CAMBRIDGE MASS
NON-ABELIAN GAUGE FIELDS, LORENTZ GAUGE FORMULATION
PHYS REV 130 402/405 APR 1963
BY SCHWINGER J
DDC NUMBER 408596
INSTRUMENT AF 49<638>00589
PROJ/TASK 9751 01

AFOSRJ 949
STANFORD U CAL
PROPOSED GYROSCOPE EXPERIMENT TO TEST GENERAL RELATIVITY
THEORY
PROC OF INT CONF ON RELATIVITY AND GRAVITATION WARSAW
JULY 1962
BY SCHIFF L I
DDC NUMBER 408598
INSTRUMENT AF 49<638>00188
PROJ/TASK 9751 01

AFOSRJ 951
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
CALCULATION OF THE YUKAWA COUPLING CONSTANT
IL NUOVO CIMENTO 27 1431/1438 MAR 1963
BY DELROURGO R
DDC NUMBER 407924
INSTRUMENT AF/EOAR /0087/62
PROJ/TASK 9751 01

AFOSRJ 952
LONDON U IMPERIAL COLL OF SCIENCE AND TECH ENGLAND
AND TRA AS OPPOSITE BOUNDARY VALUES
IL NUOVO CIMENTO 28 107/111 APR 1963
BY RASHTO M A
SYED M A
DDC NUMBER 408597
INSTRUMENT AF/EOAR /0087/62
PROJ/TASK 9751 01

AFOSRJ 954
CAMBRIDGE U ENGLAND
REGGE SURFACES AND SINGULARITIES IN A RELATIVISTIC THEORY
PHYSICAL REVIEW 129 2749/2753 MAR 1963
BY CHALLIFOUR J
EDEN R J
INSTRUMENT AF/EOAR /0079/63
PROJ/TASK 9751 01

AFOSRJ 955
HARVARD U CAMBRIDGE MASS
COMMUTATION RELATIONS AND CONSERVATION LAWS
PHYS REV 130 406/409 APR 1963
BY SCHWINGER J
DDC NUMBER 408977
INSTRUMENT AF 49<638>00589
PROJ/TASK 9751 01

AFOSRJ 956
CATHOLIC U OF AMERICA WASHINGTON D C
QUANTUM MECHANICS OF BEATS BETWEEN WEAKLY COUPLED
OSCILLATORS
AMER J OF PHYS 31 161/165 MAR 1963
BY MEIJER P H
YANAGA T
DDC NUMBER 408580
INSTRUMENT AF 49<638>00452
PROJ/TASK 9767 01

AFOSRJ 957
WASHINGTON STATE U PULLMAN
THE EFFECTS OF GLASS CONTAMINATION AND ELECTRODE CURVATURE
ON ELECTRICAL BREAKDOWN IN VACUUM
J APPLIED PHYS 34 319/322 FEB 1963
BY DONALDSON F
RABINOWITZ M
DDC NUMBER 407400
INSTRUMENT AF/AFOSR /0086/62
PROJ/TASK 9760 03

AFOSRJ 958
JOHNS HOPKINS U BALTIMORE MD
STUDY OF THE HYDROGENATION OF ETHYLENE OVER HOMOGENIZED
COPPER/NICKEL ALLOY FILMS
J PHYS CHEM 65 1102/1104 1961
BY GEMMETT P H
GHARIBURDY M K
DDC NUMBER 408294
INSTRUMENT AF 18<603>00129
PROJ/TASK 9760

AFOSRJ 959
MINNESOTA U MINNEAPOLIS
EFFECT OF SURFACE ROUGHNESS ON MAGNETIC PROPERTIES OF FILMS
J APPL PHYS 34 NO 4 1147/1148 APR 1963
BY PROSEN R J
GRAN R F
KEVEL J
KEARLE C W
MORRIS A H
DDC NUMBER 408579
INSTRUMENT AF 49<638>00803
PROJ/TASK 9761 03

AFOSRJ 960
PENNSYLVANIA U PHILADELPHIA
BILDUNG VON D 80/PHASEN ZWISCHEN 6 A/METALLEN UND AL 6 GA. I
HIND SR DIF
MONATSSCHRIFTE FUR CHEMIE 94 27/226 1963
BY BOLLER M
PARTHE F
INSTRUMENT AF 49<638>01027
PROJ/TASK 9761 02

AFOSRJ 961
PURDUE U LAFAYETTE IND
PRASEODYMIUM OXIDE/OXYGEN GENERATOR
J OF CHEM EDUCATION 40 150 MAR 1963
BY FAETH P A
CLIFFORD A P
DDC NUMBER 408594
INSTRUMENT AF 18<603>00045
PROJ/TASK 9769

AFOSRJ 962
CASE INST OF TECH CLEVELAND OHIO
OSCILLATORY MAGNETIC BREAKDOWN IN ZINC
PHYS REV LETS 9 402/405 DEC 1962
BY STARR R W
DDC NUMBER 412694
INSTRUMENT AF/AFOSR /0222/62
PROJ/TASK 9763 02

AFOSRJ 963
CALIFORNIA U RIVERSIDE
METAL TO INSULATOR TRANSITION IN ANTI-FERROMAGNETS
REPT INTL CONF THE PHYS OF SEMICONDUCTORS FRIEST
INST PHYS AND PHYS SOC LONDON 184/190 JUL 1962
BY CALLAWAY J
DDC NUMBER 412691
INSTRUMENT AF/AFOSR /0318/62
PROJ/TASK 9761 01

AFOSRJ 564
CALIFORNIA U LA JOLLA
THE PHASE DIAGRAM OF THE MERCURY/INDIUM ALLOY SYSTEM
J LESS/Common METALS 5 41/48 1963
BY COLES B R DDC NUMBER 412729
MERRIAM H F INSTRUMENT AF/AFOSR /0344/62
FISK Z PROJ/TASK 9763 02

AFOSRJ 565
ARIZONA U TUCSON
EFFECT OF HYDROSTATIC PRESSURE ON THE RATE OF ATOMIC
MOVEMENT IN NOBLE METALS
PROC INTL CONF CRYSTAL LATTICE DEFECTS 1962 J PHYS
SOC OF JAPAN 18 228/229 1963
BY TOMIZUKA C T DDC NUMBER 412680
INSTRUMENT AF/AFOSR /0105/63
PROJ/TASK 9763 02

AFOSRJ 566
BRUSSELS FREE U BELGIUM
THE EFFECTS OF BETA/MERCAPTOETHANOL ON THE MORPHOGENETIC
MOVEMENTS OF AMPHIBIAN EMBRYOS
J EMBRYOL EXP MORPH 11 155/166 MAR 1963
BY MALPOIX P DDC NUMBER 406783
QUERTIER J INSTRUMENT AF 61<052>00356
BRACHET J PROJ/TASK 9777 01

AFOSRJ 567
ARIZONA U TUCSON
ANOMALOUS DIFFUSION RATE FOR SMALL PENETRATION DISTANCE IN
COPPER
J APPL PHYS 34 NO 4 1001/1002 APR 1963
BY STYRIS L DDC NUMBER 407389
TOMIZUKA C T INSTRUMENT AF/AFOSR /0105/63
PROJ/TASK 9763 02

AFOSRJ 568
BRUSSELS FREE U BELGIUM
SULFHYDRYL GROUPS - MORPHOGENESIS III. BIOCHEMICAL STUDY OF
THE EFFECTS OF MERCAPTOETHANOL ON THE EMBRYOS OF AMPHIBIA
AND THE ALGA ACETABULARIA MEDITERRANEA
DEVELOPMENTAL BIOLOGY 6 NO 1 113/131 FEB 1963
BY BRACHET J DDC NUMBER 407388
DECROLY M INSTRUMENT AF 61<052>00356
QUERTIER J PROJ/TASK 9777 01

AFOSRJ 569
BRUSSELS FREE U BELGIUM
SULFHYDRYL GROUPS AND MORPHOGENESIS IV. EFFECTS OF
B/MERCAPTOETHANOL - OF A/LIPOIC ACID ON THE METABOLISM OF
NUCLEIC ACIDS IN AMPHIBIAN - CHICKEN EMBRYOS
J EMBRYOL EXP MORPH 11 293/305 MAR 1963
BY POHL V DDC NUMBER 407387
INSTRUMENT AF 61<052>00356
PROJ/TASK 9777 01

AFOSRJ 570
CORNELL U ITHACA N Y
PHOTOCHEMICAL REDUCTION OF TRIPHOSPHOPYRIDINE NUCLEOTIDE BY
CELL/FREE EXTRACTS OF BLUE/GREEN ALGAE
NATURE 198 NO 4875 88 APR 1963
BY BLACK C C DDC NUMBER 408595
FEWSON C A INSTRUMENT AF 49<638>00798
GIBBS M PROJ/TASK 9777 01

AFOSRJ 571
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
PHOTOSYNTHESIS AND RESPIRATION
ARCH OF BIOCHEM AND BIOPHYS 101 NO 1 171/180 APR
1963
BY HOCH G DDC NUMBER 410135
OWENS O V H INSTRUMENT AF 49<638>00947
KOK R PROJ/TASK 9777 01

AFOSRJ 572
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
A MASS SPECTROMETER INLET SYSTEM FOR SAMPLING GASES
DISSOLVED IN LIQUID PHASES
ARCH OF BIOCHEM - BIOPHYS 101 NO 1 160/170 APR 1963
BY HOCH G DDC NUMBER 411914
KOK B INSTRUMENT AF 49<638>00947
PROJ/TASK 9777 01

AFOSRJ 573
CAMBRIDGE LANGUAGE RESEARCH UNIT ENGLAND
A NEW MODEL OF SYNTACTIC DESCRIPTION
PROC FIRST INTL CONF ON MACHINE TRANSLATION OF LANGUAGES
AND APPL LANGUAGE ANAL NATL PHYS LAB ENGLAND 3/37
SEP 1961
BY PARKER/RHODES A F DDC NUMBER 414779
INSTRUMENT AF 61<052>00331
PROJ/TASK 9769 06

AFOSRJ 574
CHICAGO U ILL
HALL COEFFICIENTS OF LIQUID METALS
PHYS LTRS 3 NO 3 121/122/DEC 1962
BY GREENFIELD A J DDC NUMBER 415204
INSTRUMENT AF/AFOSR /0178/62
PROJ/TASK 9763 02

AFOSRJ 575
PENNSYLVANIA STATE U UNIVERSITY PARK
NUMERICAL CALCULATIONS OF REFLECTION COEFFICIENTS FOR
DIFFERENT SURFACE POTENTIAL BARRIER MODELS
PHYSICA STATUS SOLIDI 3 113/118 1963
BY CUTLER P H DDC NUMBER 408017
DAVIS J C INSTRUMENT AF/AFOSR /0100/61
GIBBONS J J PROJ/TASK 9761 01

AFOSRJ 576
TECHNION RESEARCH AND DEVELOPMENT FOUNDATION HAIFA ISRAEL
MAGNETIZATION PROCESS AND DOMAIN STRUCTURE FROM
MAGNETORESISTANCE MEASUREMENTS IN THIN NICKEL WIRES
J PHYS SOC OF JAPAN 17 651/653 1962
BY HIRSCH A A DDC NUMBER 414024
FRIEDMAN N INSTRUMENT AF 61<052>00481
GORODETSKY G PROJ/TASK 9763 02

AFOSRJ 577
TECHNION RESEARCH AND DEVELOPMENT FOUNDATION HAIFA ISRAEL
TEMPERATURE DEPENDENCE OF COERCIVITY AND DOMAIN STRUCTURE I
THIN FERROMAGNETIC LAYERS
SYMP ELECTRIC AND MAGNETIC PROPERTIES OF THIN METALLIC
LAYERS 128/138 1961
BY HIRSCH A A DDC NUMBER 414126
INSTRUMENT AF 61<052>00481
PROJ/TASK 9763 02

AFOSRJ 579
CALIFORNIA U LA JOLLA
EFFECTS OF STRAIN ON THE SUPERCONDUCTING TRANSITION IN THE
MERCURY/INDIUM SYSTEM
CRYOGENICS 301/302 SEPT 1962
BY MERRIAM H F INSTRUMENT AF/AFOSR /0344/62
JENSEN M A PROJ/TASK 9763 02

AFOSRJ 580
ILLINOIS U URBANA
MOBILITY OF DISLOCATIONS IN GERMANIUM
PROC INTL CONF ON CRYSTAL LATTICE DEFECTS 1962 PHYS
SOC OF JAPAN 18 20/23 1963
BY CELLI V DDC NUMBER 415209
KABLER M INSTRUMENT AF/AFOSR /0179/62
NINOMIYA T PROJ/TASK 9761 01
THOMPSON R

AFOSRJ 581
SHEFFIELD U ENGLAND
MICROWAVE ABSORPTION IN GADOLINIUM/YTTRIUM ALLOYS
J APPL PHYS 34 NO 4 1343/1344 APR 1963
BY POPPLEWELL J DDC NUMBER 413770
TEBBLE R S INSTRUMENT AF/EOGR /0054/62
PROJ/TASK 9763 03

AFOSRJ 583
HEBREW U JERUSALEM ISRAEL
THE G/FACTOR OF THE 2.083 MEV 4- STATE OF CE SUPER 140
PHYS LTRS 3 NO 6 291/293 FEB 1963
BY KAPLAN N DDC NUMBER 408296
OFER S INSTRUMENT AF 61<052>00347
ROSNER B PROJ/TASK 9761 03

AFOSRJ 584
CORNELL U ITHACA N Y
EXCITATION PROCESSES IN FLAME SPECTROMETRY
ANAL CHEM 35 266/277 1963
BY COOKE W D DDC NUMBER 415210
GIBSON J H INSTRUMENT AF 49<638>00484
GROSSMAN E PROJ/TASK 9763

AFOSRJ 585
THOMPSON RAMO WOOLDRIDGE INC CANOGA PARK CALIF
STRUCTURE OF LANGUAGE AND ITS MATHEMATICAL ASPECTS, A REVIEW
INTL J OF AMER LINGUISTICS 29 174/178 APR 1963
BY GARVIN P L DDC NUMBER 296427
INSTRUMENT AF 49<638>01128
PROJ/TASK 9769 05

AFOSRJ 586
SYSTEM RESEARCH LTD RICHMOND ENGLAND
STATISTICAL COMPUTATION AND STATISTICAL AUTOMATA
SECOND CONF ON PROBLEMS IN CYBERNETICS KARLSRUHE GERMANY
1/18 APR 1963
BY PASK G DDC NUMBER 409196
INSTRUMENT AF 61<052>00640
PROJ/TASK 9769 04

AFOSRJ 587
MARYLAND U COLLEGE PARK
BOUNDS FOR SOLUTIONS OF SECOND/ORDER ELLIPTIC PARTIAL
DIFFERENTIAL EQUATIONS
CONTRIBUTIONS TO DIFFERENTIAL EQUATIONS JOHN WILEY AND
SONS 95/127 1963
BY BRAMBLE J H INSTRUMENT AF 49<638>00228
PAYNE L E PROJ/TASK 9749 01

AFOSRJ 589
ROCHESTER U N Y
COHERENCE/TIME AND EFFECTIVE BANDWIDTH OF BLACKBODY
RADIATION
NUOVO CIMENTO 28 401/408 APR 1963
BY NEMTA C L DDC NUMBER 413772
INSTRUMENT AF/AFOSR /0246/62
PROJ/TASK 9767 02

AFOSRJ 590
CALIFORNIA U LA JOLLA
A NOTE ON THE SHORT/RANGE ORDER AT THE FERROMAGNETIC CURIE
POINT
J PHYS CHEM SOLIDS 24 217/218 1963
BY FREDKIN D R DDC NUMBER 413749
SUAL H INSTRUMENT AF 49<638>01038
PROJ/TASK 9761 01

AFOSRJ 591
ROCHESTER U N Y
COOPERATIVE OPTICAL ABSORPTION IN SOLIDS
PROC INTL CONF ON CRYSTAL LATTICE DEFECTS 1962 J PHYS
SOC OF JAPAN 18 275 1963
BY DEXTER D L DDC NUMBER 413799
INSTRUMENT AF/AFOSR /0145/62
PROJ/TASK 9761 01

AFOSRJ 592
CALIFORNIA U LA JOLLA
SOME CONDITIONS FOR THE APPARENT VANISHING OF THE ENERGY GA
IN SUPERCONDUCTORS
PHYS REV LTRS 10 NO 4 131/143 FEB 1963
BY SUML H DDC NUMBER 414134
INSTRUMENT AF 49<638>01038
PROJ/TASK 9761 01

AFOSRJ 493
 COLORADO U BOULDER
 ELECTRICALLY INDUCED NUCLEAR QUADRUPOLE SPIN TRANSITIONS IN
 A GASEOUS SINGLE CRYSTAL
 PHYS REV 129 NO 5 1965/1970 MAR 1963
 BY BRIN F DDC NUMBER 414134
 MAHLER R J INSTRUMENT AF/AFOSR 70145/62
 MAHON W PROJ/TASK 9763 01
 PIERCE W I

AFOSRJ 494
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 STABILIZATION AND CONTROL OF DC MAGNETIC FIELDS WITH
 SUPERCONDUCTING SOLENOIDS
 REV SCI INST 36 NO 3 29/29 MAR 1963
 BY KONER S DDC NUMBER 414067
 INSTRUMENT AF 194604007344
 PROJ/TASK 9764 00

AFOSRJ 495
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 QUANTIZATION OF ELEMENTARY PARTICLE MASSES
 PHYS REV LRS 10 NO 5 1967/198 MAR 1963
 BY SMIN F DDC NUMBER 414001
 INSTRUMENT AF 194604007344
 PROJ/TASK 9764 00

AFOSRJ 496
 MASSACHUSETTS INST OF TECH CAMBRIDGE
 MAGNETOREFLECTION IN BISMUTH
 PHYS REV 129 NO 5 20/20 MAR 1963
 BY BROWN O N DDC NUMBER 414010
 NAVRODINS J C INSTRUMENT AF 194604007344
 LAI R PROJ/TASK 9764 00

AFOSRJ 497
 ILLINOIS U URBANA
 LONG RANGE ELECTRON DENSITY OSCILLATIONS AT NONZERO
 TEMPERATURES
 PROC PHYS SOC B1 NO 521 412/415 1963
 BY FLYNN C P DDC NUMBER 414009
 ODLE R L INSTRUMENT AF/AFOSR 70192/62
 PROJ/TASK 9763 01

AFOSRJ 498
 WESTINGHOUSE ELECTRIC CORP WASHINGTON D C
 EFFECT OF GRAIN BOUNDARIES ON SOLUTE PARTITIONING DURING
 PROGRESSIVE SOLIDIFICATION
 J APPL PHYS 33 NO 10 3106/3107 OCT 1962
 BY TILLER W A DDC NUMBER 414373
 INSTRUMENT AF 494638001029
 PROJ/TASK 9761 02

AFOSRJ 499
 PENNSYLVANIA U PHILADELPHIA
 THE STRUCTURE OF DIMOLYBDENUM CARBIDE BY NEUTRON DIFFRACTION
 TECHNIQUE
 ACTA CRYSTALLOGRAPHICA 16 202/205 MAR 1963
 BY ERWIN PARTHE AND VARADACHA DDC NUMBER 414210
 SADAGOPAN V INSTRUMENT AF 494638001027
 PROJ/TASK 9761 02

AFOSRJ 500
 MINNESOTA U MINNEAPOLIS
 MICROWAVE FREE CARRIER FARADAY EFFECT IN SEMICONDUCTORS//
 PERTURBATION THEORY FOR GUIDED WAVES
 PHYS 20 1147-1149 1962
 BY CHAMPLIN F S DDC NUMBER 414008
 INSTRUMENT AF 494638001047
 PROJ/TASK 9761 01

AFOSRJ 501
 WESTINGHOUSE ELECTRIC CORP WASHINGTON D C
 PREFERRED ORIENTATIONS DEVELOPED DURING THE SOLIDIFICATION
 OF HIGH-PURITY LEAD
 TRANS METALLURGICAL SOC OF AIME 227 47/50 FEB 1963
 BY BOLLING G F DDC NUMBER 414007
 KWAMER J J INSTRUMENT AF 494638001029
 TILLER W A PROJ/TASK 9761 02

AFOSRJ 502
 ILLINOIS U URBANA
 METAL/GAS EQUILIBRIUM IN THE NIOBIUM/NITROGEN TERMINAL SOLI
 SOLUTION
 ACTA METALLURGICA 11 231/242 APR 1963
 BY COST J R DDC NUMBER 414011
 WERT C A INSTRUMENT AF 494638000672
 PROJ/TASK 9763 01

AFOSRJ 503
 ROCHESTER U N Y
 THE FINE STRUCTURE OF ABSORPTION IN NaCl// Ag
 PROC INTL CONF ON CRYSTAL LATTICE DEFECTS 1962 J PHYS
 OF JAPAN 18 268/274 1963
 BY KNOR R S DDC NUMBER 414204
 INSTRUMENT AF/AFOSR 70145/62
 PROJ/TASK 9761 01

AFOSRJ 504
 POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
 NOVEL TECHNIQUE FOR CHARACTERIZATION OF ADSORPTION RATES ON
 HETEROGENEOUS SURFACES
 J PHYS CHEM 67 369/375 1963
 BY NAPTALI L M DDC NUMBER 414004
 INSTRUMENT AF 494638000337
 PROJ/TASK 9763

AFOSRJ 505
 PURDUE RESEARCH FOUNDATION LAFAYETTE IND
 THE METALATION AND ALKYLATION OF MERCAPTALS
 J ORG CHEM 28 961/964 1963
 BY TRUCE W F DDC NUMBER 414006
 ROBERTS JR F F INSTRUMENT AF 494638000531
 PROJ/TASK 9762 01

AFOSRJ 507
 CAROLINGEA INST STOCKHOLM SWEDEN
 A CORNEAL NIPPLE PATTERN IN INSECT COMPOUND EYES
 ACTA PHYSIC SCAND 46 185/186 1962
 BY BERNHARD C G DDC NUMBER 414374
 MILLER W M INSTRUMENT AF/AFOSR 70013/62
 PROJ/TASK 9777 01

AFOSRJ 508
 SAN MARCOS NATIONAL U LIMA PERU
 ACTION OF ANTIURETIC HORMONE ON THE EQUIVALENT PORE RADII
 AT BOTH SURFACES OF THE EPITHELIUM OF THE ISOLATED TOAD SKI
 J OF GENERAL PHYSIOLOGY 46 NO 1 117/130 SEP 1962
 BY WHITTEMBURY C DDC NUMBER 414002
 INSTRUMENT AF/AFOSR 70085 61
 PROJ/TASK 9777

AFOSRJ 509
 COMMUNICATION RESEARCH INST MIAMI FLA
 PRODUCTIVE AND CREATIVE RESEARCH WITH MAN AND DOLPHIN
 ARCH OF GENL PSYCHIATRY 8 111/116 FEB 1963
 BY LILLY J C DDC NUMBER 414001
 INSTRUMENT AF/AFOSR 70062/61
 PROJ/TASK 9777 01

AFOSRJ 510
 COMMUNICATION RESEARCH INST MIAMI FLA
 CRITICAL BRAIN SIZE AND LANGUAGE
 PERSPECTIVES IN BIOLOGY - MEDICINE 6 NO 2 246/255 1963
 BY LILLY J C DDC NUMBER 414000
 INSTRUMENT AF/AFOSR 70062/61
 PROJ/TASK 9777 01

AFOSRJ 511
 PISA U ITALY
 OCULAR MOVEMENTS IN THE MIDPENTINE PRETRIGEMINAL PREPARATIO
 ARCH ITAL BIOL 101 149/160 1963
 BY KING F A DDC NUMBER 414020
 MARCHIAPAVA G L INSTRUMENT AF 61405200107
 PROJ/TASK 9777 01

AFOSRJ 512
 COLUMBIA U NEW YORK N Y
 GAUSSIAN FILTER SPECTRUM ANALYZER
 J ACOUSTICAL SOCIETY OF AMERICA 35 447/451 1963
 BY HARRIS C M DDC NUMBER 414216
 WAITE W M INSTRUMENT AF/AFOSR 70251 6
 PROJ/TASK 9769 01

AFOSRJ 513
 COLUMBIA U NEW YORK N Y
 DISPLAY OF SOUND SPECTROGRAPHS IN REAL TIME
 J ACOUSTICAL SOCIETY OF AMERICA 35 729 1963
 BY HARRIS C M DDC NUMBER 414019
 WAITE W M INSTRUMENT AF/AFOSR 70251/6
 PROJ/TASK 9769 01

AFOSRJ 514
 WASHINGTON U ST LOUIS MO
 ON RELATIONSHIPS BETWEEN NUMBERS AND BEHAVIOR
 PSYCHOMETRICA 27 327/333 DEC 1962
 BY DIRKIS P H DDC NUMBER 414018
 INSTRUMENT AF/AFOSR 70181/6
 PROJ/TASK 9778 01

AFOSRJ 515
 CHICAGO U ILL
 ON VISUAL ADAPTATION, I. PHOTOCHEMISTRY
 BILL OF MATH BIOPHYSICS 24 151/159 1962
 BY WHITE H DDC NUMBER 414012
 INSTRUMENT AF 494638000414
 PROJ/TASK 9777 01

AFOSRJ 516
 BRUSSELS FREE U BELGIUM
 EVIDENCE SHOWING A FOURTH ACOUSTIC PROJECTION AREA IN THE
 CEREBRAL CORTEX OF THE CAT
 J OF PHYSIOLOGY 91 NO 3 448/449 1963
 BY DESMET J DDC NUMBER 414720
 MECHELS E INSTRUMENT AF 61405200120
 PROJ/TASK 9777 01

AFOSRJ 517
 CALIFORNIA U BERKELEY
 UNSTABLE MODES IN THE SOLAR HYDROGEN CONVECTION ZONE
 ASTROPHYSICAL J 137 881/890 APR 1963
 BY KARL/HFENZ R DDC NUMBER 414074
 INSTRUMENT AF/AFOSR 70199/
 PROJ/TASK 9774 01

AFOSRJ 518
 MARYLAND U COLLEGE PARK
 UPPER AND LOWER BOUNDS FOR THE APICAL ANGLE IN THE THEORY
 OF THE SPHERICAL PENDULUM
 6TH NATL CONG OF APPL MECH BERKELEY CAL 1 127/135
 JUNE 1962
 BY DEBZ J R DDC NUMBER 414073
 METCALF F T INSTRUMENT AF 494638000228
 PROJ/TASK 9749 01

AFOSRJ 519
 COLUMBIA U NEW YORK N Y
 CONTRIBUTIONS TO THE THEORY OF TIME/OPTIMAL CONTROL
 J OF THE FRANKLIN INST 275 NO 4 114/124 APR 1963
 BY REINDLER F DDC NUMBER 414 76
 INSTRUMENT AF/AFOSR 70144
 PROJ/TASK 9748

AFOSRJ 520
 YALE U NEW HAVEN CONN
 A COORDINATIZATION THEOREM FOR JORDAN ALGEBRAS
 PROC NATL ACAD SCI 48 NO 1 1194/1160 JULY 1962
 BY JACOBSON N DDC NUMBER 414104
 INSTRUMENT AF/AFOSR 70022
 PROJ/TASK 9749 01

AFOSRJ 621
YALE U NEW HAVEN CONN
MAC DONALDS THOREM ON JORDAN ALGEBRAS
SONDERABDRUCK AUS ARCHIV DER MATHEMATIK 13 NO 4
241/250 1962
BY JACOBSON N DDC NUMBER 415470
INSTRUMENT AF/AFOSR /0029/61
PROJ/TASK 9749 02

AFOSRJ 622
RICE U HOUSTON TEX
ENTIRE FUNCTIONS ON BANACH ALGEBRAS
MICHIGAN MATH J 10 91/96 1963
BY BROWN A DDC NUMBER 414077
INSTRUMENT AF/AFOSR /0234/62
PROJ/TASK 9783

AFOSRJ 623
RICE U HOUSTON TEX
ON THE RADIAL LIMITS OF BLASCHKE PRODUCTS
PACIFIC J OF MATH 12 NO 3 993/998 1962
BY MACLANE G R DDC NUMBER 415060
RYAN F B INSTRUMENT AF 49<638>00205
PROJ/TASK 9749 02

AFOSRJ 624
NORTH CAROLINA U CHAPEL HILL
BALANCED BLOCK DESIGNS WITH TWO DIFFERENT NUMBERS OF
REPLICATES 6DEC 1962
THE BIOMETRIC SOC 18 NO 4 499/519 DEC 1962
BY CORSTEN L C A DDC NUMBER 414099
INSTRUMENT AF 49<638>00213
PROJ/TASK 9749 02

AFOSRJ 625
YFSHIVA U NEW YORK N Y
GRAVITATIONAL NEWS
IL NUOVO CIMENTO 27 1266/1268 SEP 1962
BY MORGAN Y A DDC NUMBER 414142
PERES A INSTRUMENT AF/AFOSR /0036/62
PROJ/TASK 9751 03

AFOSRJ 626
CATHOLIC U OF AMERICA WASHINGTON D C
ON A FACTORIZATION OF CHARACTERISTIC FUNCTIONS WHICH HAVE A
FINITE NUMBER OF DERIVATIVES AT THE ORIGIN
PUBLICATIONS DE L INSTITUT DE STATISTIQUE DE L UNIVERSITE D
PARIS 11 221/224 1962
BY LAHN R G DDC NUMBER 415195
LUKACS E INSTRUMENT AF/AFOSR /0032/61
PROJ/TASK 9752

AFOSRJ 627
STANFORD U CAL
LEVEL SPECTRA OF A EQUALS 6 NUCLEI FROM THE FREE NUCLEON//
NEUTRON INTERACTION
ANNALS OF PHYS 22 133/164 APR 1963
BY DAWSON J F DDC NUMBER 414098
WALECKA J D INSTRUMENT AF 49<638>00388
PROJ/TASK 9751 01

AFOSRJ 629
YALE U NEW HAVEN CONN
A NOTE ON AUTOMORPHISMS OF LIE ALGEBRAS
PACIFIC J OF MATH 12 NO 1 303/315 1962
BY JACOBSON N DDC NUMBER 415130
INSTRUMENT AF 49<638>00515
PROJ/TASK 9749 02

AFOSRJ 630
PENNSYLVANIA U PHILADELPHIA
Y89 6Y4N6Y88 THRESHOLD AND THE ZR90//SR88 MASS DIFFERENCE
NUCLEAR PHYS 40 177/185 1963
BY GELLER K N DDC NUMBER 414141
INSTRUMENT AF 49<638>00454
PROJ/TASK 9750

AFOSRJ 631
PENNSYLVANIA U PHILADELPHIA
SYSTEM FOR ENERGY CONTROL AND ABSOLUTE CALIBRATION OF A 23
MEV BETATRON
NUCLEAR INSTRUMENTS AND METHODS 17 161/168 1962
BY GELLER K N DDC NUMBER 414208
INSTRUMENT AF 49<638>00454
PROJ/TASK 9750

AFOSRJ 632
PENNSYLVANIA U PHILADELPHIA
SECOND/DIFFERENCE ANALYSIS OF BREMSSTRAHLUNG YIELD CURVES
PHYS REV 120 2147/2149 DEC 1960
BY GELLER K N DDC NUMBER 414209
INSTRUMENT AF 49<638>00454
PROJ/TASK 9750

AFOSRJ 634
STANFORD U CAL
APPLICATION OF THE VARIATION METHOD TO FIELD QUANTIZATION
PHYS REV 130 458/464 APR 1963
BY SCHIFF L I DDC NUMBER 414004
INSTRUMENT AF 49<638>00388
PROJ/TASK 9751 01

AFOSRJ 635
KANSAS U LAWRENCE
EXPERIMENTAL EVALUATION OF LIQUID/JUNCTION POTENTIAL
J ANAL CHEM 35 867/871 JUNE 1963
BY NELSON I V DDC NUMBER 414920
WAMOTO R T INSTRUMENT AF/AFOSR /0008/61
PROJ/TASK 9710 03

AFOSRJ 636
CENTRE NATIONAL D-ETUDES DE PHYSIOLOGIE NERVEUSE ET
D-ELECTROPHYSIOLOGIE PARIS FRANCE
SENSORY RESPONSES OF THE AMYGDALA WITH SPECIAL REFERENCE TO
SOMATIC AFFERENT PATHWAYS
PHYSIOLOGY OF THE HIPPOCAMPUS COLLOQUES INTERNATIONAUX DU
CENTRE DE LA RECHERCHE SCIENTIFIQUE MONTEPELLIER FRANCE
24/26 AUG 1961
BY WENDT R DDC NUMBER 414069
ALBE/FESSARD D INSTRUMENT AF 61<052>00103
PROJ/TASK 9777 01

AFOSRJ 637
CENTRE NATIONAL D-ETUDES DE PHYSIOLOGIE NERVEUSE ET
D-ELECTROPHYSIOLOGIE PARIS FRANCE
CHARACTERISTICS OF THE EVOKED RESPONSES IN THE PONTINE
RETICULAR FORMATION IN THE CAT
COSMOS RENDUS DES SEANCES DE LA SOCIETE DE BIOLOGIE 156
NO 7 1228/1230 1962
BY BACH Y R P DDC NUMBER 414070
INSTRUMENT AF 61<052>00475
PROJ/TASK 9777 01

AFOSRJ 638
CENTRE NATIONAL D-ETUDES DE PHYSIOLOGIE NERVEUSE ET
D-ELECTROPHYSIOLOGIE PARIS FRANCE
EFFECT OF TELENCEPHALIC ABLATIONS ON THE AMPLITUDE OF
EVOKED POTENTIALS IN THE MEDIAN CENTER BY SOMATIC
STIMULATION
ELECTROENCEPH CLIN NEUROPHYSIOL 15 29/38 1963
BY MEULDERS M DDC NUMBER 414072
MASSION J INSTRUMENT AF 61<052>00475
COLLE J PROJ/TASK 9777 01
ALBE/FESSARD D

AFOSRJ 639
CENTRE NATIONAL D-ETUDES DE PHYSIOLOGIE NERVEUSE ET
D-ELECTROPHYSIOLOGIE PARIS FRANCE
FIRST NEUROPHYSIOLOGICAL APPLICATIONS OF A METHOD ALLOWING
ELECTIVE - REVERSIBLE BLOCKADE OF CENTRAL STRUCTURES BY
LOCALIZED COOLING
ELECTROENCEPH CLIN NEUROPHYSIOL 14 758/763 1962
RY DONDFY M DDC NUMBER 414038
ALBE/FESSARD D INSTRUMENT AF 61<052>00103
LEBEAU J PROJ/TASK 9777 01

AFOSRJ 640
ROCHESTER U N Y
PHOTON CORRELATIONS
PHYS REV LTRS 10 276/277 APR 1963
BY HANDEL L DDC NUMBER 413310
WOLF E INSTRUMENT AF/AFOSR /0246/62
PROJ/TASK 9767 02

AFOSRJ 641
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
MUTUAL TIME INFLUENCE OF BLUE AND RED
ELECTRORETINOGRAPHIC RESPONSES
ATTI DELLA FONDAZIONE C RONCHI 18 NO 2 239/246
MAR / APR 1963
BY ERCOLIS A M DDC NUMBER 414016
INSTRUMENT AF/EOAR /0004/63
PROJ/TASK 9777 01

AFOSRJ 642
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
ON THE CHARACTERISTICS OF OBSERVERS EMPLOYED IN VISUAL
RESEARCH
ATTI DELLA FONDAZIONE G RONCHI 18 NO 2 203/219 MAR /
APR 1963
BY RONCHI L DDC NUMBER 414015
MERI G F INSTRUMENT AF/EOAR /0004/63
PROJ/TASK 9777 01

AFOSRJ 643
WISCONSIN U MADISON
CONTROL OF ENZYME SYNTHESIS IN MICROORGANISMS
13TH MTG OF SOC FOR PHYSIOLOGICAL CHEMISTRY MOSBACH6
BADEN GERMANY 3/5 MAY 1962
BY HALVERSON H O INSTRUMENT AF/AFOSR /0205/62
HERMANN A PROJ/TASK 9777 01
OKADA H
GORMAN J

AFOSRJ 644
WISCONSIN U MADISON
SEPARATION OF LABELED FROM UNLABELED PROTEINS BY EQUILIBRIUM
DENSITY GRADIENT SEDIMENTATION
ANALYTICAL BIOCHEMISTRY 4 NO 6 489/504 1962
BY HU A S L DDC NUMBER 413634
BOCK R M INSTRUMENT AF/AFOSR /0205/62
HALVORSON H O PROJ/TASK 9777 01

AFOSRJ 645
WISCONSIN U MADISON
COMPARISON OF THE ALPHA/GLUCOSIDASES OF SACCHAROMYCES
PRODUCED IN RESPONSE TO FIVE NON/ALLELIC MALTOSE GENES
BIOCHIM BIOPHYS ACTA 67 42/53 1963
BY HALVORSON H O DDC NUMBER 413633
WINDERMAN S INSTRUMENT AF/AFOSR /0205/62
GORMAN J PROJ/TASK 9777 01

AFOSRJ 646
PENNSYLVANIA U PHILADELPHIA
COMPARISON OF THE REGULATION OF LUTEINIZING HORMONE 6LNG
SECRETION IN IMMATURE AND ADULT RATS
ENDOCRINOLOGY 72 NO 3 452/464 MAR 1963
BY RAMIREZ D V DDC NUMBER 414519
MCCANN S M INSTRUMENT AF/AFOSR /0133/62
PROJ/TASK 9777 01

AFOSRJ 647
STANFORD U CAL
INELASTIC ELECTRON SCATTERING STUDIES. CU63, IN115, TA181,
P2328 AND R1290
PHYS REV 130 245/258 APR 1963
BY KENDALL H W INSTRUMENT NONR /2256/62
OFER J PROJ/TASK 9751 01

AFOSRJ 648
CATHOLIC U OF LOUVAIN BELGIUM
KINETICS OF THE PROPYLENE/OXYGEN FLAME REACTION
COMBUSTION AND FLAME 7 83/88 MAR 1963
BY RIJKE B DDC NUMBER 413632
VAN TIGGELEN A INSTRUMENT AF/EOAR /0065/62
PROJ/TASK 9750 02

AFOSRJ 649
 TECHNISCHE HOCHSCHULE MUNICH WEST GERMANY
 DIFFERENZIERVERFAHREN FUR HYPERBOLISCHE ANFANGSWERTPROBLEME
 BEI MEHR ALS ZWEI UNABHANGIGEN VERANDERLICHEN MIT HILFE VON
 NEBENCHARAKTERISTIKEN
 NUMERISCHE MATHEMATIK 5 55/67 1963
 BY SAUER R DDC NUMBER 418156 /0094/62
 INSTRUMENT AF/EOAR
 PROJ/TASK 9749 01

AFOSRJ 650
 MCMASTER U HAMILTON ONTARIO CANADA
 NEUTRON SEPARATION ENERGIES FOR ZIRCONIUM AND THE ZR96/NB96
 AND NB94/ZR94 DECAY ENERGIES
 CANADIAN J OF PHYS 41 696/701 1963
 BY BARBER R C DDC NUMBER 413466 /0033/62
 BISHOP R L INSTRUMENT AF/AFOSR
 MCLATCHIE W PROJ/TASK 9751 02
 VAN ROOKHUYZEN P
 DUCKWORTH H E

AFOSRJ 651
 MINNESOTA U MINNEAPOLIS
 BROWNIAN MOTION ON MANY/PARTICLE SYSTEMS
 J CHEM PHYS 38 1446 MAR 1963
 BY PRAGER S DDC NUMBER 415429 /0044/62
 WOODRURY G INSTRUMENT AF/EOAR
 PROJ/TASK 9760 03

AFOSRJ 652
 CAMBRIDGE U ENGLAND
 HORMONAL CONTROL OF BROOD PATCH AND OVIDUCT DEVELOPMENT IN
 DOMESTICATED CANARIES
 J ENDOCRIN 26 11/24 1963
 BY STEEL E A DDC NUMBER 413465 /0044/62
 HINDE R A INSTRUMENT AF/EOAR
 PROJ/TASK 9777 01

AFOSRJ 653
 COLUMBIA U NEW YORK N Y
 EFFECTS OF HELIUM BUFFER GAS ATOMS ON THE ATOMIC HYDROGEN
 HYPERFINE FREQUENCY
 J CHEM PHYS 36 2211/2216 1962
 BY CLARKE G A DDC NUMBER 415396 /0228/62
 INSTRUMENT AF/AFOSR
 PROJ/TASK 9760 02

AFOSRJ 655
 WASHINGTON U SEATTLE
 THE RELATION BETWEEN CONFORMATION AND LIGHT ABSORPTION IN
 POLYPEPTIDES AND PROTEINS
 POLYAMINO ACIDS POLYPEPTIDES AND PROTEINS
 U OF WISCONSIN PRESS 13 147/157 1962
 BY TINOCO I DDC NUMBER 415108 /0064/63
 HALPERN A INSTRUMENT AF/AFOSR
 SIMPSON W T PROJ/TASK 9760 02

AFOSRJ 656
 MELLON INST OF INDUSTRIAL RESEARCH PITTSBURGH PA
 ROTATIONAL ISOMERISM ABOUT SINGLE BONDS IN OLEFINIC
 COMPOUNDS
 DISCUSSION OF THE FARADAY SOC 34 127/131 1962
 BY BOTHNER/BY A DDC NUMBER 414206 /0183/63
 GUNTHER H INSTRUMENT AF/49<638>00980
 PROJ/TASK 9710 03

AFOSRJ 657
 OREGON STATE U CORVALLIS
 THE MECHANISM OF THE DISPROPORTIONATION OF SULFINIC ACIDS
 THE THERMAL DECOMPOSITION OF P-TOLUENESULFINYL P-TOLYL
 SULFONE AND ITS REACTION WITH P-TOLUENESULFINIC ACID
 J ORGANIC CHEM 28 1162 1963
 BY RICE J J DDC NUMBER 415467 /0106/63
 PAWLOWSKI M E INSTRUMENT AF/AFOSR
 PROJ/TASK 9762 03

AFOSRJ 659
 MCMASTER U HAMILTON ONTARIO CANADA
 THE VACUUM VIBRATOR AS A SOURCE OF IONS FOR MASS
 SPECTROSCOPY
 CANADIAN J OF PHYS 41 234/239 1963
 BY VENKATASURAMANIAN V S DDC NUMBER 413466 /0033/62
 DUCKWORTH H E INSTRUMENT AF/AFOSR
 PROJ/TASK 9751 02

AFOSRJ 660
 LIEGE U BELGIUM
 RESONANCE NUTRE QUADRIPOLEAIRE DANS LES CRISTAUX IRRADIE
 BULLETIN AMP 9 FASC SPECIAL 1960
 BY DEPIREUX J DDC NUMBER 415467 /0106/63
 CORNET J INSTRUMENT AF/61<052>00167
 READ M PROJ/TASK 9760
 DUCHESNE J

AFOSRJ 661
 COLORADO U BOULDER
 THEORETICAL CALCULATIONS OF STRESS RELAXATION IN
 CONCENTRATED SOLUTIONS
 J POLYMER SCIENCE PART A 1 1779/1787 1963
 BY TEGGENBURGER R DDC NUMBER 414924 /0033/62
 BECK K INSTRUMENT AF/49<638>00310
 GILL S J PROJ/TASK 9760

AFOSRJ 662
 COLORADO U BOULDER
 ANISOTROPIC PROPERTIES OF STRAINED VISCOELASTIC FLUIDS. III
 BIREFRINGENCE OF POLYSTYRENE SOLUTIONS
 J POLYMER SCIENCE PART A 1 1765/1778 1963
 BY GILL S J DDC NUMBER 415175 /0033/62
 TEGGENBURGER R INSTRUMENT AF/49<638>00310
 PROJ/TASK 9760

AFOSRJ 663
 CALIFORNIA U BERKELEY
 THE BONDING IN THE INERT GAS/HALOGEN COMPOUNDS/THE LIKELY
 EXISTENCE OF HELIUM DIFLUORIDE
 J AMER CHEM SOC 85 826 1963
 BY PIMENTEL G C DDC NUMBER 415043 /0094/62
 SPRATLEY R D INSTRUMENT AF/49<638>00944
 PROJ/TASK 9760 01

AFOSRJ 664
 TUFTS U MEDF RD MASS
 THE MOLOZO IDE AS AN INTERMEDIATE IN THE ALKEN/OZONE
 REACTION
 J ORG CHEM 28 1159 1963
 BY GREEN OOD F L DDC NUMBER 415477 /0094/62
 COHEN S INSTRUMENT AF/49<638>00292
 PROJ/TASK 9760

AFOSRJ 665
 CALIFORNIA U BERKELEY
 MATRIX TECHNIQUE AND ITS APPLICATION IN THE FIELD OF
 CHEMICAL PHYSICS
 PURE AND APPLIED CHEM 4 61/70 1962
 BY PIMENTEL G C DDC NUMBER 415043 /0033/62
 INSTRUMENT AF/AFOSR
 PROJ/TASK 9760 01

AFOSRJ 667
 ROCHESTER U N Y
 THE PHOTOCHEMISTRY OF MIXTURES OF 2/PENTANONE AND 2/HEXANON
 WITH BIACETYL
 J AMER CHEM SOC 85 1027/1032 1963
 BY NOYES JR W A DDC NUMBER 415469 /0033/62
 MICHAEL J L INSTRUMENT AF/49<638>00679
 PROJ/TASK 9760 02

AFOSRJ 668
 ROCHESTER U N Y
 THE PHOTOCHEMISTRY OF METHYLAMINE
 J AMER CHEM SOC 85 1228/1233 1963
 BY NOYES JR W A DDC NUMBER 415395 /0033/62
 MICHAEL J L INSTRUMENT AF/49<638>00679
 PROJ/TASK 9760 02

AFOSRJ 669
 LIEGE U BELGIUM
 ORIGIN OF FREE RADICALS IN CARBONACEOUS ROCKS
 GEODIMICA ET COSMOCHIMICA ACTA 23 209/218 1961
 BY DUCHESNE J DDC NUMBER 415402 /0033/62
 DEPIREUX J INSTRUMENT AF/61<052>00167
 VANDERKAA J PROJ/TASK 9760

AFOSRJ 670
 BUREAU OF MINES BARTLESVILLE OKLA
 1,2-DIFLUOROBENZENE. CHEMICAL THERMODYNAMIC PROPERTIES AND
 VIBRATIONAL ASSIGNMENT
 J CHEM PHYS 38 532/539 JAN 1963
 BY SCOTT D W DDC NUMBER 413631 /680/57/4
 MESSORLY J F INSTRUMENT CSO
 TOLD S PROJ/TASK 4759
 HOSSENLOPP I
 OKROBN A
 MCCULLOUGH P

AFOSRJ 671
 YALE U NEW HAVEN CONN
 FLASH/PHOTOLYTIC DECOMPOSITION OF GASEOUS ALKYL
 AZIDOFORMATES
 J AMER CHEM SOC 85 1199 1963
 BY BERRY R S DDC NUMBER 415468 /0183/63
 CORNELL D INSTRUMENT AF/AFOSR
 LWOWSKI W PROJ/TASK 9760 02

AFOSRJ 672
 STANFORD U CAL
 E/E COLLIDING BEAM EXPERIMENT & THEORETICAL
 PROC 10TH ANNUAL CONF ON HIGH ENERGY PHYS ROCHESTER
 771/774 AUG 1961
 BY SU TSAI Y DDC NUMBER 415104 /0033/62
 INSTRUMENT AF/49<638>00388
 PROJ/TASK 9751 01

AFOSRJ 673
 STANFORD U CAL
 RADIATIVE CORRECTIONS TO THE E/E SCATTERING
 IL NUOVO CIMENTO 16 370/372 APR 1960
 BY SU TSAI Y DDC NUMBER 413462 /0033/62
 INSTRUMENT AF/49<638>00388
 PROJ/TASK 9751 01

AFOSRJ 674
 KANSAS STATE U MANHATTAN
 A VERSATILE ELECTRONIC TRACKING APPARATUS & VLTA6
 PERCEPTUAL AND MOTOR SKILLS 16 649/656 1963
 BY TRUMBO D DDC NUMBER 413463 /0017/62
 ESLINGER R INSTRUMENT AF/AFOSR
 NOLF M PROJ/TASK 9778 01
 GROSS K

AFOSRJ 675
 HARVARD U CAMBRIDGE MASS
 CHEMISTRY OF THE METAL CARBOXYLS. PART XXII.
 PERFLUOROPROPYL AND PERFLUOROTHYL/61.
 2/BIS(DIPHENYLPHOSPHINO)ETHANE NICKEL IODIDE
 J CHEM SOC 723/724 1963 BRITISH
 BY MCCRINDEN W DDC NUMBER 414923 /0033/62
 STAFFORD S L INSTRUMENT AF/49<638>00518
 STONE F G A PROJ/TASK 9762

AFOSRJ 677
 STANFORD U CAL
 SYMMETRY OF THE ND/1 SOLUTIONS FOR COUPLED SCATTERING
 AMPLITUDES
 PHYS REV 121 1250 FEB 1961
 BY BJORKEN J D DDC NUMBER 413625 /0033/62
 INSTRUMENT AF/49<638>00388
 PROJ/TASK 9751 01

AFOSRJ 678
 STANFORD U CAL
 EQUIVALENCE PRINCIPLE PARADOX IN THE MOTION OF A GYROSCOPE
 IL NUOVO CIMENTO 17 124/125 JULY 1960
 BY SCHIFF L J DDC NUMBER 413625 /0033/62
 INSTRUMENT AF/49<638>00388
 PROJ/TASK 9751 01

AFOSRJ 670
STANFORD U CAL
THE BINDING ENERGY OF LAMBDA/PARTICLES IN NUCLEAR MATTER
IL NUOVO CIMENTO 16 362/369 APR 1960
BY WALECKA J D
DDC NUMBER 413624
INSTRUMENT AF 49C638>00380
PROJ/TASK 9751 01

AFOSRJ 682
OHIO STATE U COLUMBUS
SYNTHESIS AND PROPERTIES OF HIGHLY HINDERED ALIPHATIC ACIDS
J AMER CHEM SOC 85 1176/1178 1963
BY NEWMAN H K
FUKUHARA T
DDC NUMBER 412381
INSTRUMENT AF 33C618>03612
PROJ/TASK 9762

AFOSRJ 684
CALIFORNIA U BERKELEY
INFRARED SPECTRA OF AMMONIA SUSPENDED IN SOLID NITROGEN
J OF CHEM PHYS 36 NO 172 500/506 JAN 1962
BY PIMENTEL G C
RULANIN M O
VANTHIEL M
DDC NUMBER 413627
INSTRUMENT AF 49C638>00944
PROJ/TASK 9760 01

AFOSRJ 686
ROCHESTER U N Y
PHOTOCHEMISTRY OF CYCLOPENTANONE. I. DETAILS OF THE PRIMARY
PROCESS
J AMER CHEM SOC 83 4344/4347 1961
BY SRINIVASAN R
DDC NUMBER 414921
INSTRUMENT AF 49C638>00679
PROJ/TASK 9760 02

AFOSRJ 688
ROCHESTER U N Y
PHOTOCHEMISTRY OF CYCLOPENTANONE. II. TRANSFER OF
VIBRATIONAL ENERGY FROM THE EXCITED STATE
J AMER CHEM SOC 83 4348/4350 1961
BY SRINIVASAN R
DDC NUMBER 414922
INSTRUMENT AF 49C638>00679
PROJ/TASK 9760 02

AFOSRJ 686
WASHINGTON U SEATTLE
THE ELECTRONIC SPECTRA OF DIPHENYLETHANE DYES
J OF MOLECULAR SPECTROSCOPY 4 359/371 1960
BY ADAM F C
DDC NUMBER 415446
INSTRUMENT AF 18C600>00385
PROJ/TASK 9760 02

AFOSRJ 687
GENERAL ELECTRIC CO SCHENECTADY N Y
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ANNALS OF THE N Y ACAD OF SCI 101 722/755 1963
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DDC NUMBER 414110
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DDC NUMBER 413629
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TEXAS U AUSTIN
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DISSIMILARITY OF ATTITUDES 1962
J ABNORMAL AN SOCIAL PSYCH 65 NO 4 246/253 1962
BY BYRN D
WONG T J
DDC NUMBER 413778
INSTRUMENT AF 49C638>00460
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LOCALLY ONE-TO-ONE MAPPINGS AND A CLASSICAL THEOREM ON
SCHLICHT FUNCTIONS, DEC. 1961
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DDC NUMBER 413628
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HARVARD U CAMBRIDGE MASS
ENERGY AND MOMENTUM DENSITY IN FIELD THEORY
PHYS REV 130 800/804 15 APR 1963
BY SCHWINGER J
DDC NUMBER 413676
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INSTRUMENT AF 49C638>00253
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DUPONT U LAFAYETTE IND
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TRIMETHYLENEDIAMINENICKEL(II)
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MIRGREN D W
DDC NUMBER 414064
INSTRUMENT AF 49C638>00060
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AN INVESTIGATION OF THE ORDERING OF THE PHASES COAL AND NIA
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BY COOPER M J
DDC NUMBER 414170
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DDC NUMBER 414169
INSTRUMENT AF/EOAR /0024/61
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ROCHESTER U N Y
BAND STRUCTURE OF WHITE TIN
PHYS REV 130 NO 1 11/16 APR 1963
BY MIASIK M
DDC NUMBER 414180
INSTRUMENT AF/AFOSR /0114/62
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BORN CROSS SECTIONS FOR INELASTIC SCATTERING OF ELECTRONS BY
HYDROGEN ATOMS. IV. APPROXIMATE VALUES FOR ALLOWED
TRANSITIONS UP TO N/10
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DDC NUMBER 414118
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COHEN S I
SHMAVONIAN R M
DDC NUMBER 413630
INSTRUMENT AF 49C638>00354
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DDC NUMBER 413966
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INSTABILITY OF STIFFENED CYLINDRICAL SHELLS UNDER
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TANNER D D
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GASTON L R
JOHNSON D W
DDC NUMBER 414027
INSTRUMENT AF/AFOSR /0070/62
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SOUTHERN RESEARCH INST BIRMINGHAM ALA
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COOKE W D
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MASSES, 1962
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DDC NUMBER 413968
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DDC NUMBER 414078
INSTRUMENT AF 496638000544
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TRANSVERSE MAGNETIC FIELD, JANUARY 1963
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LENN P D
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D ALF DA VEIGA L M
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DDC NUMBER 413644
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MANITOWA U WINNIPEG CANADA
TWO ALGORITHMS FOR RIPARTITE GRAPHS, MAR, 1963
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BY DULMAGE A L
WENDELSON N S
DDC NUMBER 413645
INSTRUMENT AF/AFOSR 70235/62
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MISSOURI U COLUMBIA
PERIODICITY AND BOUNDEDNESS OF SOLUTIONS OF GENERALIZED
DIFFERENTIAL EQUATIONS OF GROWTH, 1963
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WALTMAN P Z
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ON THE CRYSTAL STRUCTURE OF A BASIC GALLIUM SULFATE RELATED
TO ALUMITE, 1963
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BY JOHANSSON G
DDC NUMBER 414050
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ON THE CRYSTAL STRUCTURE OF THE BASIC ALUMINUM SULFATE
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BY JOHANSSON G
D NUMBER 414046
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THE CRYSTAL STRUCTURE OF A BASIC ALUMINUM SELENATE, 1963
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BY JOHANSSON G
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KANSAS U LAWRENCE
THE POLAROGRAPHIC DIFFUSION COEFFICIENT, 1962
J PHYS CHEM 66 2072/2073 1962
BY REARMAN R J
DDC NUMBER 414042
INSTRUMENT AF/AFOSR 70007/61
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KANSAS U LAWRENCE
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BY HORNE R W
REARMAN R J
DDC NUMBER 414291
INSTRUMENT AF/AFOSR 70007/61
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WASHINGTON U ST LOUIS MO
ELECTRONIC INTERACTIONS BETWEEN NONCOPLANAR AROMATIC
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HORY G
WEISSMAN S J
DDC NUMBER 414041
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DDC NUMBER 414043
INSTRUMENT AF/AFOSR 70236/62
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THEORY OF ANTIFERROMAGNETIC SPIN WAVES IN SOME METAMAGNETIC
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BY YOSHIMORI A
DDC NUMBER 414044
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DIPE DIFFUSION IN LiF, 1963
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LASAR A
THOMPSON R
DDC NUMBER 414070
INSTRUMENT AF 49C638000819
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WARNER AND SWASEY CO FLUSHING N Y
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DDC NUMBER 414040
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DDC NUMBER 414081
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BERRIGAN P J
LENOBLE W J
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MARYLAND U COLLEGE PARK
DETAILED FLOW/FIELD OBSERVATIONS IN THE TRANSITION
PROCESSES IN A THICK BOUNDARY LAYER
PROC 1963 HEAT TRANS AND FLUID MECH INST
BY HANA F P
NUTANT J
DDC NUMBER 416384
INSTRUMENT AF 49<638>00645
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MEASUREMENTS OF HELICAL FLOW OF A STRONG ELECTROLYTE WITH
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COVERT E F
DDC NUMBER 416463
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PHYS REV 130 2105/2108 1 JUNE 1963
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PRATT R W
DDC NUMBER 416464
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DAVIES J A
DOMEIJ B
UHLER J
DDC NUMBER 416379
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RANGE OF KR85 IONS IN ALUMINUM AND TUNGSTEN IN THE ENERGY
INTERVAL 27000 KEV+ 1963
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UHLER J
DDC NUMBER 416380
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ASTROM B
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DOMEIJ B
NORR G S
DDC NUMBER 416381
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DDC NUMBER 416017
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DDC NUMBER 416044
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BY TIPPINS W H
BROWN F C
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BY SWARUP G
KATJUMA Y
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DDC NUMBER 416014
INSTRUMENT AF 49<638>01059
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BY WEBER J
WINDS G
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ARRIV FOR GEOPHYSIK 3 523/529 1961
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ILLINOIS U URBANA
MONTE CARLO MODEL OF TRACKING BEHAVIOR
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WARRER C F
DDC NUMBER 415830
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INSTRUMENT AF/AFOSR /0146/62
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JOHNS HOPKINS U BALTIMORE MD
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BY CALLAHAN W R
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RUTGERS STATE U NEW BRUNSWICK N J
FATIGUE STUDIES OF METAL CRYSTALS
ACTA METALLURGICA 11 779/789 1963
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BY D ALTE DA VEIGA L
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BRASS SINGLE CRYSTAL
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BY MARTIN M C
DDC NUMBER 415996
INSTRUMENT AF/AFOAR /0244/62
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BY CALLAWAY J
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DDC NUMBER 416936
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BY MITCHELL T F
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INSTRUMENT AF 61C052>00098
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MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
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PHYSICS OF FLUIDS VOL 6 535/542 1963
BY ARANOW R M
DDC NUMBER 415631
INSTRUMENT AF 49C638>00235
PROJ/TASK 9760 01

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BY SALZBERG A M
DDC NUMBER 415991
INSTRUMENT AF 49C638>00720
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PRINCETON U N J
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AND KINETICS
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BY FELDBERG S W
DDC NUMBER 415990
INSTRUMENT AF 49C638>00667
PROJ/TASK 9710 03

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DURHAM U KINGS COLL NEWCASTLE UPON TYNE ENGLAND
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SPECTRA AND STRUCTURE
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BY FRASER G W
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DURHAM U KINGS COLL NEWCASTLE UPON TYNE ENGLAND
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BY GREENWOOD N N
DDC NUMBER 415989
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BY ENKE C G
INSTRUMENT AF/AFOAR /0151/63
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DDC NUMBER 415974
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DDC NUMBER 414777
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FORMATION, - VAPORIZATION, VAPOR PRESSURE, N/E THERMOCHEM,
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ARIZONA U TUCSON
INFORMATION AUTOMATION FOR RESEARCH PRODUCTIVITY
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BY PERRY J W
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IDENTIFICATION PROBLEMS
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BY GOLF J
INSTRUMENT AF 49C638>00436
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DDC NUMBER 415882
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 THE EQUIVALENT CONDUCTANCE OF HEXAFLUORO COMPLEXES OF GROUP
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 JACS 82 9202/9294 1963
 BY SCHMITT R M DDC NUMBER 415881
 GROVE F L INSTRUMENT AF 18640001947
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 SPRAY COMBUSTION MODEL WITH DROPLET BREAKUP: ANALYTICAL AND
 EXPERIMENTAL RESULTS
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 HAMMER S F INSTRUMENT AF 49638000165
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 BY ERIFG JR H C DDC NUMBER 416509
 INSTRUMENT AF 49638000178
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 WASHINGTON STATE U PULLMAN
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 IN THE GAS/PHASE AND THE CORRELATION WITH REACTIVITY IN
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 SMITH G G INSTRUMENT AF 49638000616
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 RUTGERS STATE U NEW BRUNSWICK N J
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 GENERAL THEORY OF PERTURBATIONS IN CLASSICAL MECHANICS
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 BARBER W C PROJ/TASK 9751 01
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 PRINCETON U N J
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 BY CLEMENT P R DDC NUMBER 416560
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 ON ORDER PRESERVING CONTRACTIONS
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INSTRUMENT AF/AFOSR /0332/62
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SMITH T P DDC NUMBER 423919
INSTRUMENT AF 49C63800787
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DDC NUMBER 424964
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BY RURGERS J M
DDC NUMBER 424353
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AIAA J 1 NO 6 1997/1902 JUNE 1963
BY GOOD JR R C
DDC NUMBER 424367
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DDC NUMBER 424311
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PHYS REV LETTS 11 NO 6 178/179 15 AUG 1963
BY SANDRI G P
DDC NUMBER 424295
INSTRUMENT AF/AOSR /0122/62
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SINGLE-PARTICLE EXCITATIONS
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BY CZYZ W
DDC NUMBER 424324
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PHYS REV LTRS 11 NO 3 132/134 1 AUG 1963
BY COLLARD H
HOFSTADTER R INSTRUMENT NONR /2256676
JOHANSSON A PROJ/TASK 9751 01
PARKS P
RYNEVELD M
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BY LEWIS JR F H INSTRUMENT NONR /2256676
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PHYS REV 131 NO 1 416/423 1 JULY 1963
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BETWEEN THE 50 AND 82 NEUTRON SHELLS
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BARRER R C INSTRUMENT AF/AFOSR /0033/62
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VAN ROOKHUYZEN P
DUCKWORTH H E

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AND TE123/SB123 DECAY ENERGIES
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PHYS OF FLUIDS 6 NO 3 451/452 MAR 1963
BY GARTENHAUS S DDC NUMBER 424320
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BY SUGAWARA M DDC NUMBER 424317
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PHYS REV LTRS 11 NO 4 174/178 15 AUG 1963
BY OAKEN R J DDC NUMBER 424316
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BY SOL ZYK A DDC NUMBER 424055
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BY BRAYTON R DDC NUMBER 424217
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BY TADOKI J DDC NUMBER 424223
GREEN J M INSTRUMENT AF/AFOSR /0398/62
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SASTRY P V L N INSTRUMENT AF/AFOSR /0327/62
WINNIEVER M PROJ/TASK 9767 02

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FLAMES
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BY BULEWICZ F M DDC NUMBER 424213
PAILEY P J INSTRUMENT AF/AFOSR /0327/62
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BY ANDERSON W W
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BY ABNER SHIMONY
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BY MCDERMOTT M N
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BY BURKE J J
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INSTRUMENT AF 49C638>01200
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BY BARRON M J
DDC NUMBER 424840
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BY MCMURTRY R J
DDC NUMBER 424971
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BY SCHMIDT R M
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BY MARGENAU H
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BY JOANNY P
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BY BUFFONI F
BLASCHEO M
DDC NUMBER 424255
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LUMINANCE THRESHOLDS IN THE EMPTY FIELD AND IN PARTIALLY
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APOSJ1416
KAROLINSKA INST STOCKHOLM SWEDEN
EFFECT OF SOME DRUGS ON THE RELEASE OF NORADRENALINE FROM
ISOLATED NERVE GRANULES
PROG INTL PIARAMACO 6151E 5 77/86 1963 STOCKHOLM
SWEDEN PERGAMON PRESS LONDON 1963
BY VON EULER U S
LISHAJKO F
DDC NUMBER 427579
INSTRUMENT AF 61605200309
PROJ/TASK 9777 01

APOSJ1417
KAROLINSKA INST STOCKHOLM SWEDEN
PROBLEMS IN NEUROTRANSMISSION
PERSPECTIVES IN BIOLOGY 187/196 1963 ELSEVIER PUB CO
EDS L F FLEOIR - S COMOA
BY VON EULER U S
DDC NUMBER 427704
INSTRUMENT AF 61605200309
PROJ/TASK 9777 01

APOSJ1418
KAROLINSKA INST STOCKHOLM SWEDEN
CATECHOLAMINE RELEASE AND UPTAKE IN ISOLATED ADRENERGIC
NERVE GRANULES
ACTA PHYSIOL SCAND 57 468/480 1963
BY VON EULER U S
LISHAJKO F
DDC NUMBER 427573
INSTRUMENT AF 61605200309
PROJ/TASK 9777 01

APOSJ1419
KAROLINSKA INST STOCKHOLM SWEDEN
CATECHOLAMINE SECRETION AND PERSONALITY TRAITS IN PARATROOP
TRAINERS
ACTA PHYSIOL SCAND 58 77/89 1963
BY BLOOM G
VON EULER U S
FRANKENHAUSER W
DDC NUMBER 427574
INSTRUMENT AF 61605200309
PROJ/TASK 9777 01

APOSJ1420
KAROLINSKA INST STOCKHOLM SWEDEN
INFLUENCE OF PH ON UPTAKE AND RELEASE OF NORADRENALINE IN
ADRENERGIC NERVE GRANULES
J NEUROCHEM 10 145/149 1963
BY VON EULER U S
LISHAJKO F
DDC NUMBER 427580
INSTRUMENT AF 61605200309
PROJ/TASK 9777 01

APOSJ1421
GENOVA U ITALY
SLEEP INDUCING MECHANISMS IN THE BRAIN STEM
ELECTROENCEPHALIN NEUROPHYSIOL SUP 24 113/132 1963
BY ROSSI G F
DDC NUMBER 427581
INSTRUMENT AF 61605200461
PROJ/TASK 9777 01

APOSJ1422
LEICESTER U ENGLAND
THE ROLE OF ACETATE IN ISOCITRATE LYASE INDUCTION
BIOCHEM BIOPHYS ACTA 73 517/519 1963
BY KORNBERG H L
DDC NUMBER 427574
INSTRUMENT AF/EOAR 70077/62
PROJ/TASK 9777 01

APOSJ1423
LEICESTER U ENGLAND
FINE CONTROL OF THE GLYOXALATE CYCLE BY ALLOSTERIC
INHIBITION OF ISOCITRATE LYASE
BIOCHEM BIOPHYS ACTA 73 519/522 1963
BY ASHWORTH J M
KORNBERG H L
DDC NUMBER 427574
INSTRUMENT AF/EOAR 70077/62
PROJ/TASK 9777 01

APOSJ1424
LONDON U ENGLAND
ACTIVE ENERGY RADIATING SYSTEMS 7 THE BAF AND ULTRASONIC
PRINCIPLES I
PROC INTL CONG TECHNOL BLINDNESS NEW YORK N Y 6
35/48 1962 PUB AMER FOUND FOR BLIND 1963
BY DYE D J
DDC NUMBER 427531
INSTRUMENT AF/EOAR 70037/63
PROJ/TASK 9777 01

APOSJ1425
LONDON U ENGLAND
THE GENERATION OF ULTRASONIC SIGNALS BY A NEW WORLD BUTFLID
MOTH
PROC RIV SOC ZOOLOGICAL SCI 158 196/207 1963
BY REEST A D
COLLETTI T
DYE J D
DDC NUMBER 427577
INSTRUMENT AF/EOAR 70037/63
PROJ/TASK 9777 01

APOSJ1426
PENNSYLVANIA U PHILADELPHIA
A HIGHLY SENSITIVE TEST FOR LH/RELEASING ACTIVITY 7 THE
OVARIE TOMIZED, ESTROGEN PROGESTERONE/BLOCKED RAT
ENDOCRINOLOGY 73 NO 2 197/198 AUG 1963
BY RAMIREZ V O
MCCANN S M
DDC NUMBER 427578
INSTRUMENT AF/APOSR 70133/62
PROJ/TASK 9777 01

APOSJ1427
CORNELL U ITHACA N Y
DISTRIBUTION OF CARBON-14 IN POLYSACCHARIDE AFTER
PHOTOSYNTHESIS IN CARBON DIOXIDE LABELLED WITH CARBON-14 BY
ANALYSIS NIDULANT
NATURE 200 NO 4904 260/261 19 07 1963
BY KINCEP P
GIARON M
DDC NUMBER 427533
INSTRUMENT AF 69463800798
PROJ/TASK 9777 01

APOSJ1428
MARTIN MARIETTA CORP WIAS INC BALTIMORE MD
TWO LIGHT REACTIONS IN 14C REDUCTION BY SPINACH CHLOROPLAST
ARCH BIOPHYS 102 430/438 1963
BY MOCH G
MARTIN I
DDC NUMBER 427570
INSTRUMENT AF 69463800947
PROJ/TASK 9777 01

AFOSRJ1429
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
SIGNIFICANCE OF P/700 AS AN INTERMEDIATE IN PHOTOSYNTHESIS
PROC INTL CONG BIOCHEM 65TH 6 73/81 1963 MOSCOW
RUSSIA 1961
RY KOK R DDC NUMBER 427571
INSTRUMENT AF 49<638>00947
PROJ/TASK 9777 01

AFOSRJ1430
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
ENHANCEMENT AND DE/ENHANCEMENT EFFECT IN ANACYSTIS NIDULANS
BIOCHIM BIOPHYS ACTA 75 183/186 1963
BY OWENS O V H DDC NUMBER 427577
HOCH G INSTRUMENT AF 49<638>00947
PROJ/TASK 9777 01

AFOSRJ1431
KAROLINSKA INST STOCKHOLM SWEDEN
POSITIVE INOTROPIC RESPONSES AND CATECHOLAMINE CONTENT OF
ISOLATED RABBIT ATRIA EXPOSED TO TYRAMINE
ACTA PHYSIOL SCAND 59 161/168 1963
BY ANGELAKOS E T DDC NUMBER 427529
TORCHIANA M L INSTRUMENT AF/EOAR /0014/62
PROJ/TASK 9777 01

AFOSRJ1434
HARVARD U CAMBRIDGE MASS
INELASTIC ELECTRON SCATTERING AT HIGH ENERGIES - NUCLEAR
STRUCTURE & THEORETICAL
PROC CONF DIRECT INTERACTIONS NUCL MECHANISMS 720/733
JULY 1963 GORDON AND BREACH SCI PUB DDC NUMBER 427707
BY GOTTFRIED K INSTRUMENT AF 49<638>00589
PROJ/TASK 9751 01

AFOSRJ1435
STANFORD U CAL
BARYON/BARYON INTERACTIONS AND THE EIGHTFOLD WAY
PHYS REV 131 NO 5 2239/2241 1 SEP 1963
BY OAKES R J DDC NUMBER 427708
INSTRUMENT AF 49<638>00388
PROJ/TASK 9751 01

AFOSRJ1436
WEIZMAN INST OF SCIENCE REHOVOTH ISRAEL
NUCLEAR STRUCTURE AND THE OPTICAL MODEL
PROC CONF DIRECT INTERACTIONS NUCL MECHANISMS 195/196
JULY 1963 GORDON AND BREACH SCI PUB DDC NUMBER 427706
BY REINER A S INSTRUMENT AF 61<052>00337
PROJ/TASK 9751 02

AFOSRJ1437
PURDUE RESEARCH FOUNDATION LAFAYETTE IND
MAGNETIC FIELD AND PHASE TRANSITION IN THIN FILM
SUPERCONDUCTORS
PHYS REV LTRS 11 NO 3 119/121 1 AUG 1963
BY NAMBU Y DDC NUMBER 427711
TUAN S F INSTRUMENT AF/AFOSR /0274/63
PROJ/TASK 9751 02

AFOSRJ1438
COLORADO U BOULDER
AMPLITUDES - CROSSING RELATIONS IN ISOSPIN
NUOVO CIMENTO SER 10 28 112/117 APR 1963
BY BARUT A O DDC NUMBER 427712
UNAL B C INSTRUMENT AF/AFOSR /0030/63
PROJ/TASK 9751 03

AFOSRJ1439
COLORADO U BOULDER
ON THE SYMMETRY OF ELEMENTARY PARTICLES / II
NUOVO CIMENTO SER 10 27 1269/1271 MAR 1963
BY BARUT A O DDC NUMBER 427717
INSTRUMENT AF/AFOSR /0030/63
PROJ/TASK 9751 03

AFOSRJ1440
STANFORD U CAL
ANALYSIS OF H3 AND HE3 FORM FACTORS AND THE DETERMINATION
OF THE CHARGE FORM FACTOR OF THE NEUTRON
PHYS REV LTRS 11 NO 8 387/390 15 OCT 1963
BY SCHIFF L I DDC NUMBER 427716
YFARIAN M R INSTRUMENT AF/AFOSR /0452/62
COLLARD M PROJ/TASK 9751 01
HOFATADIER R
JOHANSSON A

AFOSRJ1441
SYDNEY U AUSTRALIA
THE MEAN FREE PATH OF PROTONS AT 3 TEV INTERACTION
NUOVO CIMENTO SER 10 27 977/978 FEB 1963
BY DAY G DDC NUMBER 426556
GAULD C F INSTRUMENT AF/AFOSR /0410/62
MCCUSKER C B A PROJ/TASK 9774 02
PEAK L S

AFOSRJ1442
SYDNEY U AUSTRALIA
A NEW METHOD OF RECORDING LARGE COSMIC RAY AIR SHOWERS
NUOVO CIMENTO SER 10 28 175/178 APR 1963
BY MCCUSKER C B A DDC NUMBER 426555
WINN M M INSTRUMENT AF/AFOSR /0410/62
PROJ/TASK 9774 02

AFOSRJ1443
MINNESOTA U MINNEAPOLIS
PROBLEMS IN HYDRODYNAMICS AND PARTIAL DIFFERENTIAL
EQUATIONS, FINAL REPORT, DEC. 1963
BY SERRIN J DDC NUMBER 427710
INSTRUMENT AF/AFOSR /0101/62
PROJ/TASK 9749 01

AFOSRJ1444
SYDNEY U AUSTRALIA
ANISOTROPIES OF COSMIC RAY JETS - EQUILIBRIUM, THEORIES OF
MESON PRODUCTION
NUOVO CIMENTO SER 10 28 444/445 APR 1963
BY GAULD C F DDC NUMBER 426557
MCCUSKER C B A INSTRUMENT AF/AFOSR /0410/62
PEAK L S PROJ/TASK 9774 02

AFOSRJ1445
MCMASTER U HAMILTON ONTARIO CANADA
NUCLEAR STABILITY AND NUCLEAR ENERGETICS BY MEANS OF ATOMIC
MASS MEASUREMENT, FINAL REPORT, SEP. 1963
BY DUCKWORTH H E INSTRUMENT AF/AFOSR /0033/62
PROJ/TASK 9751 02

AFOSRJ1446
JOHNS HOPKINS U BALTIMORE MD
PROPERTIES AND INTERACTIONS OF NEW PARTICLES, FINAL REPORT,
NOV. 1963
BY PEVSNER A DDC NUMBER 427654
INSTRUMENT AF/AFOSR /0134/62
PROJ/TASK 9751 01

AFOSRJ1447
FRANKLIN INST BARTOL RESEARCH FOUNDATION SWARTHMORE PA
ZERO/SPIN ASSIGNMENT FOR THE 2.05 MEV STATE OF N162 FROM A
6P+P R/R6
PHYS REV 131 NO 1 318/321 1 JULY 1963
BY SEN GUPTA A K DDC NUMBER 424350
VAN PATTEN D M INSTRUMENT AF/AFOSR /0217/62
PROJ/TASK 9751 02

AFOSRJ1450
BRANDEIS U WALTHAM MASS
RENORMALIZATION GROUP AND REGGE BEHAVIOUR
PHYS LTRS 5 NO 5 333/335 AUG 1963
BY DESER S DDC NUMBER 427583
FURLAN C INSTRUMENT AF/AFOSR /0022/61
MANOUX C PROJ/TASK 9751 01

AFOSRJ1451
BRANDEIS U WALTHAM MASS
NOTE ON UNIQUENESS OF CANONICAL
J MATH PHYS 4 NO 5 615/617 MAY 1963
BY ARNOWITT R DDC NUMBER 427699
DESER S INSTRUMENT AF/AFOSR /0022/61
PROJ/TASK 9751 01

AFOSRJ1453
CALIFORNIA U LOS ANGELES
INFLUENCE OF SIMULATED ALTITUDE 618,000 FEET ON FORMATION
OF EXPERIMENTAL VESICAL CALCULI IN MALE RATS
J UROLOGY 89 NO 5 676/679 MAY 1963
BY COCKETT A T K DDC NUMBER 427527
INSTRUMENT AF/AFOSR /0081/61
PROJ/TASK 7164 02

AFOSRJ1454
LEICESTER U ENGLAND
THE METABOLISM OF SIMPLE CARBON COMPOUNDS IN
MICRO/ORGANISMS, FINAL REPORT, 31 OCT. 1963
BY KORNBERG H L DDC NUMBER 427528
INSTRUMENT AF/EOAR /0077/62
PROJ/TASK 9777 01

AFOSRJ1455
SALPETRIERE HOSPITAL PARIS FRANCE
RESEARCH ON IMPROVED TECHNIQUES OF RECORDING AND DISPLAY OF
THE ELECTRICAL ACTIVITY OF THE BRAIN, FINAL REPORT,
15 OCT. 1963
BY REMOND A DDC NUMBER 426888
INSTRUMENT AF 61<052>00203
PROJ/TASK 9777 01

AFOSRJ1456
CALIFORNIA U BERKELEY
SMOCK/WAVE STRUCTURE IN A PARTIALLY IONIZED GAS
J FLUID MECH 16 PT 4 573/594 1963
BY GRENVAL M S DDC NUMBER 427719
TALBOT L INSTRUMENT AF 49<638>00502
PROJ/TASK 9783 01

AFOSRJ1457
POLYTECHNIC INST OF BROOKLYN FREEPORT N Y
VORTICITY EFFECTS ON HEAT TRANSFER TO THE CONICAL PORTION OF
A BLUNT BODY
6TH BOWWASH SYMPOSIUM OF AEROBALLISTICS WASH D C 1963
BY TING L DDC NUMBER 426427
INSTRUMENT AF/AFOSR /0001/63
PROJ/TASK 9781 01

AFOSRJ1458
COLUMBIA U NEW YORK N Y
THERMOELASTIC DISSIPATION IN VIBRATING PLATES
AMER SOC MECH ENG CONF APPL MECH DIV 6 SUMMER 6
ITHACA N Y JUNE 1963
BY TASI J DDC NUMBER 426489
INSTRUMENT AF 49<638>00430
PROJ/TASK 9782 01

AFOSRJ1459
NORTHWESTERN U EVANSTON ILL
MONOENERGETIC PHOTOLYTIC REACTIONS, FINAL REPORT, 8 NOV.
1963
BY SCHLAG E W DDC NUMBER 427953
INSTRUMENT AF/AFOSR /0083/62
PROJ/TASK 9760 02

AFOSRJ1460
TEXAS U AUSTIN
EFFECT OF OXYGEN AND CHLORINE ON THERMAL REACTIONS OF
ACETYLENE
J PHYS CHEM 67 1582/1586 AUG 1963
BY MUNSON M S B DDC NUMBER 426517
ANDERSON R C INSTRUMENT AF 18<603>00142
PROJ/TASK 9751

AFOSRJ1461
TEXAS U AUSTIN
**COMPARATIVE STUDIES OF PYROLYSIS OF ACETYLENE,
VINYLACETYLENE, AND DIACETYLENE**
J PHYS CHEM 67 1579/1581 AUG 1963
BY HOU K C ANDERSON R C DDC NUMBER 426551
INSTRUMENT AF 18<603>00142
PROJ/TASK 9751

AFOSRJ1462
AMOCO CHEMICAL CORP SEYMOUR IND
**SYNTHESIS OF BORON CHLOROPERCHLORATES AND BORON
TRIPERCHLORATE**
J AMER CHEM SOC 85 3037 1963
BY MOSHER R A IVES E K MORELLO E F DDC NUMBER 426518
INSTRUMENT AF 49<638>01105
PROJ/TASK 9750 01

AFOSRJ1463
FULMER RESEARCH INST STOKES PAGES ENGLAND
STABILITY OF LOWER BORON HALIDES
SUBMITTED AS A DOCUMENT 22 AUG 1963
BY GROSS P HAYMAN C LEVY D L LEWIN R H DDC NUMBER 426428
INSTRUMENT AF 61<052>00405
PROJ/TASK 9750 01

AFOSRJ1464
TEXAS U AUSTIN
IN DEFENSE OF THE USE OF ATOMIC ORBITAL CONFIGURATION WAVE
FUNCTIONS FOR SMALL MOLECULES
J PHYS CHEM 66 2332/2333 DEC 1962
BY MATSEN F A BROWNE J C DDC NUMBER 426345
INSTRUMENT AF/AFOSR /0270/62
PROJ/TASK 9750 02

AFOSRJ1465
STEVENS INST OF TECH HOBOKEN N J
MEASUREMENTS OF B₁ E₁ AND N INSIDE THE SIMULATED
GEOMAGNETIC CAVITY IN THE PRESENCE OF SOLAR WIND
PHYS FLUIDS 6 NO 9 SEP 1963
BY BOSTICK W H RYFIELD M BRETTSCHEIDER M DDC NUMBER 426552
INSTRUMENT AF/AFOSR /0225/62
PROJ/TASK 9752 01

AFOSRJ1466
TEXAS U AUSTIN
NEW LOWER LIMIT FOR THE BINDING ENERGY OF THE HELIUM
MOLECULE ION
J AMER CHEM SOC 84 2650 1963
BY REAGAN P N BROWNE J C MATSEN F A DDC NUMBER 426510
INSTRUMENT AF/AFOSR /0270/62
PROJ/TASK 9750 02

AFOSRJ1467
PRINCETON U N J
RESEARCH ON SOLID PROPELLANT IGNITABILITY AND IGNITER
CHARACTERISTICS. FINAL REPORT, OCT. 1963
BY GRANT JR F H WENOGRAD J DDC NUMBER 425651
INSTRUMENT AF/AFOSR /0091/62
PROJ/TASK 9711 01

AFOSRJ1468
PRINCETON U N J
COMBUSTION PROCESSES IN LIQUID PROPELLANT ROCKET MOTORS,
FINAL REPORT, DEC. 1962
BY VFBR M J GLASSMANN I DDC NUMBER 427539
INSTRUMENT AF/AFOSR /0090/62
PROJ/TASK 9711 01

AFOSRJ1469
RENSSELAER POLYTECHNIC INST TROY N Y
FORMATION AND INFRARED CHARACTERIZATION OF BOROXINE
J PHYS CHEM 67 1742 1963
BY BAUER W H WIBERLEY S E LEE G H II DDC NUMBER 426516
INSTRUMENT AF/AFOSR /0429/63
PROJ/TASK 9750 02

AFOSRJ1470
WALES U COLL ABERYSTWYTH
THE PYROLYSES OF HYDRAZINES AND BENZYLAMINES. C/C AND N/N
BOND DISSOCIATION ENERGIES
J CHEM SOC 599 3217/3225 JUNE 1963
BY KERR J A SEKHAR R C TROTHER/DICKENSON A F DDC NUMBER 426519
INSTRUMENT AF/EOAR /0018/62
PROJ/TASK 9750 02

AFOSRJ1471
OLIN MATHIESON CHEMICAL CORP NEW HAVEN CONN
THE REACTION OF HYDROGEN ATOMS WITH LIQUID OZONE
J PHYS CHEM 67 849/852 APR 1963
BY WOJTCWICZ J A MARTINES F ZASLOWSKI J A DDC NUMBER 427637
INSTRUMENT AF 29<600>01467
PROJ/TASK 9750 01

AFOSRJ1472
OLIN MATHIESON CHEMICAL CORP NEW HAVEN CONN
OZONE FORMATION AT 7196 DEG
J PHYS CHEM 67 713/714 1963
BY WOJTCWICZ J A URRACH M R ZASLOWSKI J A DDC NUMBER 427599
INSTRUMENT AF 24<645>00072
PROJ/TASK 9750 01

AFOSRJ1473
OLIN MATHIESON CHEMICAL CORP NEW HAVEN CONN
X/RAY STUDIES ON THE PRODUCT OF THE REACTION OF ATOMIC
HYDROGEN - LIQUID OZONE
J PHYS CHEM 67 714/715 1963
BY MARTINEZ F WOJTCWICZ J A ZASLOWSKI J A DDC NUMBER 426554
INSTRUMENT AF 49<638>01137
PROJ/TASK 9750 01

AFOSRJ1474
THOMPSON RAMO WOOLDRIDGE INC REDONDO BEACH CALIF
PROPERTIES OF ACCELERATED PLASMAS
4TH SYMP ENG ASPECTS MAGNETOHYDRODYNAMICS APR 1963
BY DAILEY C L DDC NUMBER 427946
INSTRUMENT AF 49<638>01210
PROJ/TASK 9752 01

AFOSRJ1475
CALLERY CHEMICAL CO PA
HEAT OF REACTION OF NITROGEN TRIFLUORIDE WITH ELEMENTAL
BORON
J CHEM ENG DATA 8 NO 1 76/77 JAN 1963
BY LUDWIG J R COOPER W J DDC NUMBER 426511
INSTRUMENT AF 49<638>01052
PROJ/TASK 9750 01

AFOSRJ1476
UNITED AIRCRAFT CORP HARTFORD CONN
ABSCISSAS AND HEIGHT COEFFICIENTS FOR LOBATO QUADRATURE
MATH COMP 17 NO 83 237/244 JULY 1963
BY MICHELS W H DDC NUMBER 427585
INSTRUMENT AF 49<638>01133
PROJ/TASK 9750 01

AFOSRJ1477
THIOLK CHEMICAL CORP DENVER N J
THE LOW PRESSURE COMBUSTION GAS PLASMA
COMB FLAME 7 NO 3 283/291 SEP 1963
BY DINMOCK T H KINEYKO W R DDC NUMBER 426023
INSTRUMENT AF 49<638>00305
PROJ/TASK 9752 01

AFOSRJ1478
AEROCHEM RESEARCH LABS INC PRINCETON N J
THE APPARENT CHEMICAL KINETICS OF SURFACE REACTIONS IN
EXTERNAL FLOW SYSTEMS. DIFFUSIONAL FALSIFICATION OF
ACTIVATION ENERGY AND REACTION ORDER
AMER INST CHEM ENGR J 9 NO 3 321/331 MAY 1963
BY ROSNER D F DDC NUMBER 426558
INSTRUMENT AF 49<638>01138
PROJ/TASK 9750 02

AFOSRJ1480
AEROCHEM RESEARCH LABS INC PRINCETON N J
SCALE EFFECTS AND CORRELATIONS IN NONEQUILIBRIUM CONVECTIVE
HEAT TRANSFER
AMER INST AERO ASTRO 1 NO 7 1550/1555 JULY 1963
BY ROSNER D F DDC NUMBER 427536
INSTRUMENT AF 49<638>01138
PROJ/TASK 9750 02

AFOSRJ1481
AEROCHEM RESEARCH LABS INC PRINCETON N J
FUNDAMENTAL SOLUTION TO THE DIFFUSION BOUNDARY LAYER FOR
SEPARATED FLOW OVER SOLID SURFACES AT VERY LARGE PRANDTL
NUMBERS
INTL J HEAT MASS TRANSFER 6 793/804 1963
BY ROSNER D E DDC NUMBER 427537
INSTRUMENT AF 49<638>01138
PROJ/TASK 9750 02

AFOSRJ1482
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
APPEARANCE AND IONIZATION POTENTIALS OF SELECTED FRAGMENTS
FROM ISOTOPICALLY LABELED PENTABORANES IN
J AMER CHEM SOC 85 1369/1375 20 MAY 1963
BY KAUFMAN J J KOSKI W S KUHNS L J WRIGHT S S DDC NUMBER 427538
INSTRUMENT AF 49<638>01220
PROJ/TASK 9750 01

AFOSRJ1483
WARNER AND SWASEY CO FLUSHING N Y
RECENT DEVELOPMENTS IN GAS PYROMETRY BY SPECTROSCOPIC
METHODS
AMER SOC MECH ENGR HEAT TRANSFER DIV PAPER 63/WA/252
6 WINTERG PHILADELPHIA PA NOV 1963
BY TOURIN R H DDC NUMBER 427539
INSTRUMENT AF 49<638>01132
PROJ/TASK 9711 01

AFOSRJ1484
MARTIN MARIETTA CORP RIAS INC BALTIMORE MD
THE EFFECT OF SUBSTITUTION ON THE IONIZATION POTENTIALS OF
FREE RADICALS AND MOLECULES. II. THEORETICAL INTERPRETATION
OF K VALUES FOR ALKYL RADICALS AND AMINES
J AMER CHEM SOC 85 1576/1580 5 JUNE 1963 18TH INTL
CONG PURE APPL CHEM SYMP STRUCT REACTIVITY SMALL
MOLECULAR SPECIES MONTREAL CANADA AUG 1961
BY KAUFMAN J J DDC NUMBER 427535
INSTRUMENT AF 49<638>01220
PROJ/TASK 9750 01

AFOSRJ1486
TEXAS TECHNOLOGICAL COLL LUBBOCK
THE THERMAL DECOMPOSITION OF METAL COMPLEXES / VI SOME
AMINE COBALT 6116 COMPLEXES
J INORG NUCL CHEM 25 985/993 1963
BY WENDLANDT W W SMITH J P DDC NUMBER 427943
INSTRUMENT AF/AFOSR /0023/63
PROJ/TASK 9762 03

AFOSRJ1487
CALIFORNIA U RIVERSIDE
CLUSTER INTEGRAL EXPANSIONS IN INHOMOGENEOUS FLUIDS
J PHYS CHEM 67 1928/1930 SEP 1963
BY SCHMIDT H H DDC NUMBER 427944
INSTRUMENT AF 49<638>00284
PROJ/TASK 9760 03

AFOSRJ1489
MINNESOTA U MINNEAPOLIS
PERTURBATION THEORY AND THE HELLMANN/FEYNMAN THEOREM
J CHEM PHYS 39 NO 4 863/867 15 AUG 1963
BY HEAD A C YARIS R DDC NUMBER 427945
INSTRUMENT AF 49<638>00940
PROJ/TASK 9760 01

AFOSRJ1490
MINNESOTA U MINNEAPOLIS
ABSORPTION OF LIGHT BY A RIGID CRYSTAL
RADIATION RSCH 20 NO 1 101/106 SEP 1963
BY MFAD C A DDC NUMBER 427946
INSTRUMENT AF 49<638>00940
PROJ/TASK 9760 01

AFOSRJ1494
OREGON STATE U CORVALLIS
MECHANISMS OF REACTIONS OF SULFINIC ACIDS. V. THE MECHANISM
OF THE ALKYL SULFIDE/SULFINIC ACID REACTION
J AMER CHEM SOC 85 3472/3478 5 NOV 1963
BY KICE J L DDC NUMBER 429947
INSTRUMENT AF/AFOSR /0106/63
PROJ/TASK 9762 03

AFOSRJ1495
YALE U NEW HAVEN CONN
ABSORPTION SPECTRA OF GASEOUS HALIDE IONS AND HALOGEN
ELECTRON AFFINITIES. CHLORINE, BROMINE, AND IODINE
J CHEM PHYS 37 NO 10 2278/2290 15 NOV 1962
BY BERRY R S DDC NUMBER 427950
INSTRUMENT AF/AFOSR /0025/61
PROJ/TASK 9760 02

AFOSRJ1496
TEXAS TECHNOLOGICAL COLL LUBBOCK
ION/RADICALS. III. THE ISOLATION OF A HYDROXYTHIANTHRENE
OXIDE FROM THIANTHRENE MONOXIDE IN CONCENTRATED SULFURIC
ACID
J ORG CHEM 28 2828/2830 OCT 1963
BY SHINE H J DDC NUMBER 427949
ROBINSON T A INSTRUMENT AF/AFOSR /0023/63
PROJ/TASK 9762 03

AFOSRJ1497
SOUTHAMPTON U ENGLAND
HALIDE AND OXYHALIDE COMPLEXES OF MOLYBDENUM AND TUNGSTEN
J CHEM SOC 4649/4657 OCT 1963
BY ALLEN F A DDC NUMBER 427951
BRIDSON R J INSTRUMENT AF/EOAR /0048/62
EDWARDS D A PROJ/TASK 9710 02

AFOSRJ1498
PENNSYLVANIA STATE U UNIVERSITY PARK
THE MECHANISM OF ALIPHATIC BROMINATION BY N-BROMOSUCCINIMIDE
J AMER CHEM SOC 85 2850/2851 20 SEP 1963
BY SKELL P S DDC NUMBER 427985
TULEEN D L INSTRUMENT AF/AFOSR /0052/62
READIO P D PROJ/TASK 9760 02

AFOSRJ1499
PITTSBURGH U PA
THE PHOTOINITIATED OXIDATION OF TERTIARY PHOSPHITES
J ORG CHEM 28 2908/2910 OCT 1963
BY PLUMR J R DDC NUMBER 428393
GRIFFIN C F INSTRUMENT AF/AFOSR /0048/62
PROJ/TASK 9762 01

AFOSRJ1500
PITTSBURGH U PA
INFRARED ABSORPTION CHARACTERISTICS OF ALKYL AND ARYL
SUBSTITUTED PHOSPHONIUM SALTS
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BY WITSCHARD G DDC NUMBER 427954
GRIFFIN C E INSTRUMENT AF/AFOSR /0048/62
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PENNSYLVANIA STATE U UNIVERSITY PARK
STEREOCHEMICAL EVIDENCE OF BRIDGED RADICALS
J AMER CHEM SOC 85 2849/2850 1963
BY SKELL P S DDC NUMBER 427986
TULEEN D L INSTRUMENT AF/AFOSR /0052/62
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NORTHWESTERN U EVANSTON ILL
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J AMER CHEM SOC 85 2877/2887 1963
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MISSISSIPPI U UNIVERSITY
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J MISS ACAD SCI 9 168/175 1963
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J AMER CHEM SOC 85 2892/2896 5 OCT 1963
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KANSAS U LAWRENCE
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BY IWAMOTO R T DDC NUMBER 429258
NELSON I W INSTRUMENT AF/AFOSR /0220/63
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J MOLE SPECTRO 10 NO 1 51/74 JAN 1963
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INTL J ENGR SCI 1 411/419 1963
BY SNEEDON I N DDC NUMBER 429253
WELCH J T INSTRUMENT AF 49<638>01159
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BY MAYRIURY P C DDC NUMBER 427510
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BY HARTMAN P
DDC NUMBER 427525
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AMER MATH MONTHLY 70 NO 3 255/259 MAR 1963
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J MATH MECH 12 NO 5 771/776 SEP 1963
BY JAMES I M
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BY BROWDER W
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BY JOHNSON D L
KORLER A L
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PROC INTL DESIGN CONF ASPEN COLO 1962
BY VON FOERSTER H
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J MATH PHYS 42 NO 3 189/199 SEP 1963
BY LFE K S H
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NUCL FUS SUPPL PT 3 1089/1099 1962
BY BROWN S C
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351 HYPERFINE STRUCTURE SEPARATIONS AND ISOTOPE SHIFTS OF
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J OPT SOC AMER 53 NO 10 1147/1152 OCT 1963
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BY DOUGLASS JR D H
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APPL MECH REV 15 WADSWORTH PUBLISHER AMER SOC MECH
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BY RIPPERGER E A
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CHICAGO U ILL
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J GEO RES 68 NO 14 4157/4166 15 JULY 1963
BY STONE E C
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PARTICULES CHARGÉES DANS LES CRYSTAUX 13/14 MAI 1963
BY CHILDS C B
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PITTSBURGH U PA
EFFECTS OF ROTATING MAGNETIC FIELDS ON FREE/INDUCTION DECAY
SHAPES
PHYS REV LETS 11 NO 6 258/260 14 SEP 1963
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DDC NUMBER 427404
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CLEAN MOLYBDENUM SURFACES
J PHYS CHEM SOLIDS 24 1217/1221 1963
BY VON GOELER E
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DDC NUMBER 427403
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J CHEM PHYS 38 NO 8 2020/2024 15 APR 1963
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MAINE U ORONO
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J APPL PHYS 34 NO 4 PT 2 1135/1136 APR 1963
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BY KOLM M H DDC NUMBER 427593
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BY BITTER F DDC NUMBER 427635
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APCRL 63 359
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APCRL 63 031

APCRL 63 400

APCRL 63 602

ARL 63 015

APCRL 63 166

AFOSR J 244

APCRL 62 0760

APCRL 62 0925

APCRL 63 035

AFOSR J 67

AFOSR J 134

AFOSR J 372

AFOSR J 609

AFOSR J 720

AFOSR J 751

AFOSR J 784

AFOSR J 785

AFOSR J 797

AFOSR J1207

AFOSR J1200

AFOSR J1299

AFOSR J1300

AFOSR J1301

AFOSR J1301

APCRL 63 236

APCRL 63 401

APCRL 63 645

AFOSR J 807

AFOSR J 808

AFOSR J1324

AFOSR J 175

AFOSR J 941

APCRL 62 0904

ARL 63 133

ARL 63 167

AFOSR 3105

APCRL 63 110

APCRL 63 111

ELECTRONIC COMMUNICATIONS INC TIMOTHY MD	APCL 63 938	GENERAL PRECISION INC LIBRARYSCOPE DIV GLENDALE CALIF	AFOSR 6952
EMERSON-CUMMINGS INC CANTON MASS	APCL 62 0776	GENERAL TELEPHONE AND ELECTRONICS LABS INC BAYSIDE N Y	APCL 63 06 APCL 63 17 APCL 63 39 APCL 63 37
EPLEY LAB INC NEWPORT N I	APCL 63 0074	GENERAL TELEPHONE AND ELECTRONICS LABS INC PALO ALTO CALIF	APCL 63 10
ERLANGER U WEST GERMANY	AFOSR 4971	GERBA U ITALY	AFOSR J 196 AFOSR J 197 AFOSR J 262 AFOSR J 263 AFOSR J 301 AFOSR J 303 AFOSR J1170 AFOSR J1927 AFOSR J1921
F AND M SCIENTIFIC CORP AVERDALE PA	APCL 62 0731	GENEVA U SWITZERLAND	ARL 63 193
FAIRCHILD U CORN	APCL 63 049	GEO-SCIENCE INC CAMBRIDGE MASS	APCL 63 376 APCL 63 303
FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY WASHINGTON D C	AFOSR 9113	GEO-SCIENCE INC LEXINGTON MASS	APCL 62 099
FLORIDA STATE U TALLAHASSEE	APCL 63 429 APCL 63 476 APCL 63 689 AFOSR 9179 AFOSR J 360 AFOSR J 361 AFOSR J 362 AFOSR J 363 AFOSR J 364 AFOSR J1045 AFOSR J1099 AFOSR J1376	GEO-SCIENCE INC LEWISTON MASS	APCL 62 100 APCL 62 114 APCL 63 219 APCL 63 297 APCL 63 298
FLORIDA U GAINESVILLE	APCL 63 127 AFOSR 9319	GEO-SCIENCE INC LEWISTON MASS	APCL 62 100 APCL 62 101 AFOSR 5200 AFOSR J 16 AFOSR J 80 AFOSR J1303 AFOSR J1304 AFOSR J1907
FLUORINE ENGINEERING CORP MINNEAPOLIS MINN	ARL 63 001	GEORGETOWN U WASHINGTON D C	APCL 62 088 APCL 62 101 AFOSR 5200 AFOSR J 16 AFOSR J 80 AFOSR J1303 AFOSR J1304 AFOSR J1907
FORD MOTOR CO AERONAUTIC DIV MELBURY BEACH CALIF	APCL 7 0092	GEORGIA INST OF TECH ATLANTA	APCL 63 252 APCL 63 466 APCL 63 488 AFOSR J 88 AFOSR J 89
FORDHAM U NEW YORK N Y	AFOSR J1160 AFOSR J1949	GEORGIA U ATHENS	AFOSR 5200 AFOSR J1520
FRANKFURT U WEST GERMANY	APCL 63 464	GERMAN WEATHER SERVICE OFFENBACH WEST GERMANY	APCL 63 802
FRANKLIN INST PHILADELPHIA PA	ARL 63 114 AFOSR 4431 AFOSR 4434 AFOSR 4999 AFOSR J 390	GHANA U COLL LEGON	APCL 63 197
FRANKLIN INST BARTOL RESEARCH FOUNDATION SMITHSONIAN PA	AFOSR J1294 AFOSR J1447	GIANNINI SCIENTIFIC CORP SANTA ANA CALIF	APCL 63 302
FULMER RESEARCH INST STONE PAGES ENGLAND	AFOSR J1463	GOETTINGEN U WEST GERMANY	ARL 63 157 AFOSR J1916
GALVY U COLL IRELAND	AFOSR J 762 AFOSR J 950 AFOSR J1171	GOTEBORG U SWEDEN	AFOSR 2007 AFOSR 4845 AFOSR 4851 AFOSR 5290 AFOSR J 209 AFOSR J 467 AFOSR J 468 AFOSR J 471 AFOSR J 494 AFOSR J 563
GENERAL DYNAMICS CORP AERONAUTICS SAN DIEGO CALIF	APCL 62 0094 APCL 62 1140 APCL 62 1145 APCL 63 263 APCL 63 268	GRUNMAN AIRCRAFT ENGINEERING CORP BETHPAGE N Y	AFOSR 4907 AFOSR J 350 AFOSR J1919
GENERAL APPLIED SCIENCES LAB HEMPSTEAD N Y	AFOSR 5322	HARVARD U CAMBRIDGE MASS	APCL 62 0940 APCL 62 0955 APCL 62 0823 APCL 62 0954 APCL 62 1030 APCL 62 1039 APCL 62 1040 APCL 62 1056 APCL 62 1057 APCL 62 1058 APCL 62 1059 APCL 62 1062 APCL 62 1066 APCL 62 1117 APCL 63 090 APCL 63 196 APCL 63 107 APCL 63 108 APCL 63 134 APCL 63 200 APCL 63 205 APCL 63 220 APCL 63 240 APCL 63 344 APCL 63 360 APCL 63 411 APCL 63 412 APCL 63 455 APCL 63 458 APCL 63 468 APCL 63 487 APCL 63 612 APCL 63 638 APCL 63 656 APCL 63 674 APCL 63 686 APCL 63 819 APCL 63 829
GENERAL DYNAMICS CORP GENERAL ATOMICS DIV SAN DIEGO CALIF	AFOSR J1044 AFOSR J1362		
GENERAL ELECTRIC CO ITHACA N Y	APCL 62 0900		
GENERAL ELECTRIC CO KING OF PRUSSIA PA	APCL 63 840		
GENERAL ELECTRIC CO PHILADELPHIA PA	ARL 63 163 AFOSR J 100 AFOSR J 730 AFOSR J 763 AFOSR J1076 AFOSR J1042 AFOSR J1048 AFOSR J1230 AFOSR J1290		
GENERAL ELECTRIC CO SANTA BARBARA CALIF	APCL 63 034 APCL 63 310		
GENERAL ELECTRIC CO SCHENECTADY N Y	APCL 62 0900 APCL 63 011 APCL 63 0204 APCL 63 0700 APCL 63 069 APCL 63 1204 APCL 63 323 APCL 63 450 APCL 63 451 APCL 63 452 APCL 63 453 APCL 63 562A APCL 63 562B ARL 63 059 AFOSR J 344 AFOSR J 607 AFOSR J1507		
GENERAL ELECTRIC CO SYRACUSE N Y	APCL 63 1200		
GENERAL GEOPHYSICAL CO HOUSTON TEX	APCL 63 479		
GENERAL MILLS INC MINNEAPOLIS MINN	AFOSR 4474		
GENERAL MILLS INC ST PAUL MINN	APCL 63 487 ARL 63 139		
GENERAL MOTORS CORP ALLISON DIV INDIANAPOLIS IND	AFOSR 5070		

	APCRL 63 879		AFOSR 603
	AFOSR 7797		AFOSR J 763
	AFOSR 7798		AFOSR J 768
	AFOSR 7816		AFOSR J 867
	AFOSR 4871		AFOSR J 867
	AFOSR 4963		AFOSR J 868
	AFOSR 4932		AFOSR J 869
	AFOSR 5879		AFOSR J 871
	AFOSR J 27		AFOSR J 878
	AFOSR J 66		AFOSR J1094
	AFOSR J 213		AFOSR J1101
	AFOSR J 216		AFOSR J1109
	AFOSR J 219		AFOSR J1132
	AFOSR J 224		AFOSR J1133
	AFOSR J 229		AFOSR J1942
	AFOSR J 240		AFOSR J1993
	AFOSR J 278	INDIANA U RESEARCH FOUNDATION BLOOMINGTON	AFOSR J1616
	AFOSR J 356		AFOSR J1617
	AFOSR J 399	INNSBRUCK U AUSTRIA	AFOSR J 100
	AFOSR J 534		AFOSR J 713
	AFOSR J 549	INST D-OPTIQUE PARIS FRANCE	
	AFOSR J 599		
	AFOSR J 679	INST DE INVESTIGATION DE CIENCIAS BIOLÓGICAS	
	AFOSR J 691	MONTEVIDEO URUGUAY	
	AFOSR J 705		AFOSR 5205
	AFOSR J 917		AFOSR J 509
	AFOSR J 999		AFOSR J1100
	AFOSR J1209		AFOSR J1181
	AFOSR J1434		AFOSR J1182
	AFOSR J1600		AFOSR J1189
	AFOSR J1612		AFOSR J1184
	AFOSR J1613		AFOSR J1185
	AFOSR J1614		AFOSR J1186
	AFOSR J1615		AFOSR J1187
	AFOSR J1188		AFOSR J1189
MARSHMAN CHEMICAL CO CLEVELAND OHIO	AML 63 171	INST DE MATEMATICA PURA E APLICADA RIO DE JANEIRO BRAZIL	AFOSR J 44
MAWALI U HONOLULU	APCRL 62 0090	INST DE NEUROLOGIA MONTEVIDEO URUGUAY	AFOSR 4956
	APCRL 63 235		AFOSR J 397
	APCRL 63 479		AFOSR J 398
	APCRL 63 493		AFOSR J 933
	APCRL 63 494		AFOSR J 934
	APCRL 63 803		
	APCRL 63 813		
		INST FOR ADVANCED STUDY PRINCETON N J	AFOSR 5226
	APCRL 63 227		AFOSR J 23
	AML 63 218		AFOSR J 129
	AFOSR 4446		AFOSR J 399
	AFOSR 6050		AFOSR J 602
	AFOSR J 152		AFOSR J1260
	AFOSR J 256		
	AFOSR J 265	INST FOR SCIENTIFIC INFORMATION PHILADELPHIA PA	AFOSR J 165
	AFOSR J 383		AFOSR J 782
	AFOSR J 924		
	AFOSR J 925	INST NACIONAL DE TECNICA AERONAUTICA MADRID SPAIN	AFOSR 5217
	AFOSR J 926		AFOSR 5218
	AFOSR J1164		
	AFOSR J1578		
		INSTRUMENT CORP OF FLORIDA MELBOURNE	APCRL 63 481
MEYERMAN FOYTINGER INST WEST BERLIN WEST GERMANY	AFOSR 5325		APCRL 63 845
		INTERMOUNTAIN WEATHER INC SALT LAKE CITY UTAH	AFOSR J1937
MEYERMAN AND CO WASHINGTON D C	AFOSR 5038		
	AFOSR J 362	INTERNATIONAL BUSINESS MACHINES CORP NEW YORK N Y	APCRL 62 0997
	AFOSR J1939		APCRL 62 0944
		INTERNATIONAL BUSINESS MACHINES CORP YORKTOWN HEIGHTS N Y	APCRL 63 363
	APCRL 63 617		AFOSR J1709
	AFOSR 6050		
	AFOSR J 152	INTERNATIONAL TELEPHONE AND TELEGRAPH CORP BUTLEY N J	APCRL 63 177
	AFOSR J 256		APCRL 63 309
	AFOSR J 265		
	AFOSR J 383	INTERNATIONAL RESEARCH INST PRINCETON N J	AFOSR 5227
	AFOSR J 924		AFOSR J1271
	AFOSR J 925		
	AFOSR J 926	IOWA STATE U IOWA CITY	
	AFOSR J1164		
	AFOSR J1578	IOWA STATE U OF SCIENCE AND TECH AMES	AML 63 818
			AML 63 104
			AFOSR J1154
		ISRAEL INST OF TECH HAIFA	APCRL 63 050
			APCRL 63 081
			AML 63 089
			AML 63 099
			AML 63 122
			AML 63 169
			AML 63 177
			AML 63 184
			AML 63 234
		ISTITUTO ELECTROTECNICO NAZIONALE TURIN ITALY	AFOSR 4760
			AFOSR 4764
			AFOSR 4865
			AFOSR J 29
			AFOSR J 33
			AFOSR J 34
			AFOSR J 367
			AFOSR J1140
		ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY	AFOSR J 203
			AFOSR J 204
			AFOSR J 233
			AFOSR J 234
			AFOSR J 235
			AFOSR J 236
			AFOSR J 463
			AFOSR J 641
			AFOSR J 642
			AFOSR J1319
		JOHNS HOPKINS U BALTIMORE MD	APCRL 62 0999
			APCRL 63 269

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AFOSR J1210
AFOSR J1211
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AFOSR J1230

MARYLAND U COLLEGE PARK

AML 03 1754
AFOSR 2137
AFOSR 5046
AFOSR 5107
AFOSR 5207
AFOSR 5209
AFOSR 5204
AFOSR J 11
AFOSR J 303
AFOSR J 420
AFOSR J 507
AFOSR J 610
AFOSR J 700
AFOSR J 807
AFOSR J 873
AFOSR J1071
AFOSR J1066
AFOSR J1143
AFOSR J1199
AFOSR J1252
AFOSR J1295
AFOSR J1297

MASSACHUSETTS GENERAL HOSPITAL BOSTON
MASSACHUSETTS INST OF TECH CAMBRIDGE

AFOSR 5091
AFOSR 62 0953
AFOSR 62 0957
AFOSR 62 0960
AFOSR 62 0979
AFOSR 62 0981
AFOSR 62 1019
AFOSR 62 1020
AFOSR 62 1060
AFOSR 62 1120
AFOSR 62 1127
AFOSR 62 072
AFOSR 62 092
AFOSR 62 179
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AFOSR 62 302
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AFOSR 62 429
AFOSR 62 604
AFOSR 62 629
AFOSR 62 630
AFOSR 62 671
AFOSR 62 690
AFOSR 62 696
AFOSR 62 727
AML 03 016
AML 03 003
AML 03 004
AML 03 124
AML 03 191
AML 03 226
AML 03 233

MASSACHUSETTS MENTAL HEALTH CENTER BOSTON

MASSACHUSETTS U AMHERST

MAUSLEY HOSPITAL LONDON ENGLAND

MAX-PLANCK-INST FUR AERONAUTIK LINDBAU WEST GERMANY

MAX-PLANCK-INST FUR CHEMIE MAINZ WEST GERMANY

MAX-PLANCK-INST FUR ZELLENBIOLOGIE MUNCHEN WEST GERMANY

MCBELL U MONTREAL P Q CANADA

MCMASTER U HAMILTON ONTARIO CANADA

MELLON INST OF INDUSTRIAL RESEARCH PITTSBURGH PA

AFOSR 2577
AFOSR 2606
AFOSR 4700
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AFOSR 5160
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AFOSR 5195
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AFOSR J1509

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AFOSR J 348

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AFOSR J1303

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AFOSR J1315

AFOSR J 319
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AFOSR 63 400

AFOSR 4005

AFOSR 63 437
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AFOSR 63 486
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AFOSR J1509

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AFOSR J1445

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AFOSR 2347
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AFOSR J1194
AFOSR J1195
AFOSR J1196
AFOSR J1197
AFOSR J1198
AFOSR J1199

WELPAS INC FALLS CHURCH VA

APCRL 62 0911
APCRL 62 0908
APCRL 62 0904
AFOSR J1179

WERNER U CERAL GABLES FLA

AFOSR J 999
AFOSR J1080

WESTON U ANN ARBOR

APCRL 62 0942
APCRL 62 0939
APCRL 62 1081
APCRL 62 1091
APCRL 62 1140
APCRL 62 1147
APCRL 62 0879
APCRL 62 2095
APCRL 62 2096
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APCRL 62 0773
APCRL 62 0769
APCRL 62 0965
ARL 62 0964
ARL 62 0969
ARL 62 1077
ARL 62 1170
ARL 62 0960
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AFOSR 4207
AFOSR 4208
AFOSR 4207
AFOSR 4207
AFOSR 4208
AFOSR J 999
AFOSR J 910
AFOSR J 911
AFOSR J 777
AFOSR J1161
AFOSR J1162
AFOSR J1211
AFOSR J1299

WESTON STATE U EAST LANSING

AFOSR J 130
AFOSR J 164
AFOSR 400
AFOSR J1000

WESTERN RESEARCH INST KANSAS CITY MO

APCRL 62 087
ARL 62 093

WILAN U ITALY

AFOSR J1161
AFOSR J1910

WINNEPESKA-WINNEPESKA REGULATOR CO WISCONSIN

AFOSR 5213

WISCONSIN U WINNEPESKA

APCRL 62 099
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APCRL 62 094
APCRL 62 129
APCRL 62 030
APCRL 62 010
ARL 62 231
AFOSR 2070
AFOSR 2090
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AFOSR J 263
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AFOSR J1403
AFOSR J1409
AFOSR J1400
AFOSR J1500

MISSISSIPPI U UNIVERSITY

AFOSR 4032
AFOSR J 202
AFOSR J 400
AFOSR J1503

MISSOURI U COLUMBIA

AFOSR 4070
AFOSR J 749

MOLECULAR RESEARCH CORP CAMBRIDGE MASS

APCRL 62 044

MONTANA STATE COLL BOZEMAN

APCRL 62 0720
APCRL 62 060

MONTREAL U P Q CANADA

AFOSR J 711

MOTOROLA INC PHOENIX ARIZ

APCRL 62 0741
APCRL 62 021

MIENICH U WEST GERMANY

APCRL 62 033
APCRL 62 049
APCRL 62 060
APCRL 62 050

MILANO U ITALY

APCRL 62 000
APCRL 62 730
AFOSR 9103

NATIONAL ACADEMY OF SCIENCES WASHINGTON D C

AFOSR 9133
AFOSR 9203
AFOSR J1199
AFOSR J1279

NATIONAL BUREAU OF STANDARDS BOULDER COLO

APCRL 62 0991
APCRL 62 1304
APCRL 62 1900

NEW MEXICO U ALBUQUERQUE

AFOSR 6777
AFOSR 9101
AFOSR J1221
AFOSR J1222

NEW HAMPSHIRE U DURHAM

APCRL 62 013
APCRL 62 262
APCRL 62 477
APCRL 62 470
AFOSR 9110
AFOSR J1070
AFOSR J1219

NEW MEXICO INST OF MINING AND TECH SOCORRO

APCRL 62 0790
APCRL 62 1047

NEW SOUTH WALES U AUSTRALIA

AFOSR J1299

NEW YORK STATE PSYCHIATRIC INST NEW YORK

AFOSR J 260
AFOSR J 267
AFOSR J 268
AFOSR J 269
AFOSR J 290

NEW YORK STATE U STONY BROOK

AFOSR 2604

NEW YORK U NEW YORK

APCRL 62 0712

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ARL 62 004
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AFOSR J1170
AFOSR J1212
AFOSR J1270
AFOSR J1340
AFOSR J1519
AFOSR J1601

NOBEL INST OF PHYSICS STOCKHOLM SWEDEN

ARL 62 233
AFOSR 893
AFOSR J 894
AFOSR J 895
AFOSR J 896
AFOSR J 897

NORTH AMERICAN AVIATION INC ROCKETBYNE DIV CANADA PARE CALIF

ARL 62 019
ARL 62 107

NORTH AMERICAN AVIATION INC BOWNEY CALIF

AFOSR J1030

NORTH AMERICAN AVIATION INC LOS ANGELES CALIF

APCRL 62 0900

AFOSR J 67
AFOSR J 176

NORTH CAROLINA STATE COLL RALEIGH

ABL 63 149
AFOSR 5298
AFOSR J 424
AFOSR J1917
AFOSR J1918

OLIN MATHESON CHEMICAL CORP NEW HAVEN CONN

AFOSR J1471
AFOSR J1472
AFOSR J1473

NORTH CAROLINA U CHAPEL HILL

AFOSR 4476
AFOSR 4477
AFOSR 4478
AFOSR J 21
AFOSR J 199
AFOSR J 186
AFOSR J 330
AFOSR J 441
AFOSR J 450
AFOSR J 476
AFOSR J1283
AFOSR J1336
AFOSR J1393

OPTICS TECH INC DELBERT CALIF

AFOSR J1310

OREGON STATE U CORVALLIS

AFOSR 2403
AFOSR J 437
AFOSR J1004

OREGON U EUGENE

AFOSR 5230
AFOSR J 342
AFOSR J1151
AFOSR J1263
AFOSR J1267

OSLO U NORWAY

APCRL 63 483
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APCRL 63 770
APCRL 63 771
APCRL 63 823
APCRL 63 894
ABL 63 800
ABL 63 809
ABL 63 852
ABL 63 215
ABL 63 216
ABL 63 217
AFOSR 4704

NORTHEASTERN U BOSTON MASS

APCRL 62 0907
APCRL 63 090
APCRL 63 118
APCRL 63 204
APCRL 63 313
APCRL 63 814
APCRL 63 921

OSSERVATORIO ASTRONOMICCO DI ARCETRI FLORENCE ITALY

APCRL 63 446

NORTHROP CORP MANTHORE CALIF

ABL 63 117
AFOSR J 799
AFOSR J 767

OXFORD U ENGLAND

APCRL 62 0929
APCRL 62 0930
APCRL 62 0945
APCRL 63 192
APCRL 63 300
APCRL 63 361
APCRL 63 302
APCRL 63 643
APCRL 63 644
APCRL 63 729
ABL 63 811
AFOSR 4754
AFOSR 4756
AFOSR J 82
AFOSR J 174
AFOSR J 176
AFOSR J 192
AFOSR J 193
AFOSR J 304
AFOSR J 305
AFOSR J 306
AFOSR J 307
AFOSR J 308
AFOSR J 309
AFOSR J 310
AFOSR J 311
AFOSR J 344
AFOSR J 800
AFOSR J 801
AFOSR J1318

NORTH STAFFORDSHIRE U COLL KEELE ENGLAND

AFOSR 5297

NORTHWESTERN U EVANSTON ILL

AFOSR 1495
AFOSR 2293
AFOSR 2376
AFOSR 4701
AFOSR 4707
AFOSR 5412
AFOSR J 46
AFOSR J 373
AFOSR J 877
AFOSR J1000
AFOSR J1150
AFOSR J1206
AFOSR J1225
AFOSR J1250
AFOSR J1393
AFOSR J1360
AFOSR J1499
AFOSR J1502

NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT KJELLER NORWAY

APCRL 62 0907
APCRL 63 092
APCRL 63 100
APCRL 63 699
APCRL 63 745
APCRL 63 746
APCRL 63 747
APCRL 63 748
APCRL 63 808

NORWEGIAN METEOROLOGICAL INST OSLO NORWAY

APCRL 63 803

NUCLEAR CORP OF AMERICA PHOENIX ARIZ

APCRL 63 036

OBSERVATOIRE DE PARIS MEUDON FRANCE

APCRL 63 299
APCRL 63 864

PARIS U FRANCE

APCRL 63 837
ABL 63 010A
ABL 63 010B
ABL 63 115
ABL 63 182
AFOSR 5287
AFOSR J 84
AFOSR J1370

OKLAHOMA STATE U STILLWATER

AFOSR J 533
AFOSR J1309

OKLAHOMA STATE U RESEARCH FOUNDATION STILLWATER

APCRL 62 1123

OHIO STATE U COLUMBUS

APCRL 63 448
AFOSR 597
AFOSR 4874
AFOSR J 682
AFOSR J 759

PARKS MATHEMATICAL LABS INC CARLISLE MASS

APCRL 62 8706
APCRL 62 8975
APCRL 63 010
APCRL 63 827
APCRL 63 895
APCRL 63 185
APCRL 63 130
APCRL 63 137
APCRL 63 163
APCRL 63 514

OHIO STATE U RESEARCH FOUNDATION COLUMBUS

APCRL 62 0936
APCRL 62 1000
APCRL 62 1041
APCRL 62 1070
APCRL 63 064
APCRL 63 109
APCRL 63 212
APCRL 63 307
APCRL 63 454
APCRL 63 627
APCRL 63 702
APCRL 63 715
APCRL 63 837
ABL 63 004
ABL 63 045
ABL 63 101
ABL 63 134
ABL 63 223
ABL 63 234
AFOSR 944
AFOSR 2040
AFOSR J1165
AFOSR J1313
AFOSR J1371
AFOSR J1623

PENNSYLVANIA STATE U UNIVERSITY PARK

APCRL 62 0670
APCRL 62 0800
APCRL 62 0800
APCRL 62 0836
APCRL 62 0807
APCRL 62 0896
APCRL 62 1000
APCRL 62 1005
APCRL 62 1007
APCRL 62 1013
APCRL 63 215
APCRL 63 254
APCRL 63 285
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APCRL 63 290
APCRL 63 291
APCRL 63 446
APCRL 63 447
APCRL 63 482
APCRL 63 603
APCRL 63 653
APCRL 63 723

OKLAHOMA U NORMAN

ABL 63 803

OKLAHOMA U RESEARCH FOUNDATION NORMAN

APCRL 63 683
AFOSR 4715

PENNSYLVANIA U PHILADELPHIA

APCPL 03 704
APCPL 03 817
APCPL 03 824
APCPL 03 824

APCPL 2001
APCPL 2015
APCPL 2029
APCPL 2047
APCPL 4000
APCPL 4402
APCPL 4001
APCPLJ 227
APCPLJ 245
APCPLJ 403
APCPLJ 900
APCPLJ 999
APCPLJ 030
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APCPLJ1102
APCPLJ1125
APCPLJ1131
APCPLJ1173
APCPLJ1400
APCPLJ1941
APCPLJ1999

FRANKLIN PERMITIT INC MATERIAHYNE CORP AVER N V

ARL 03 170

PHYSICAL METEOROLOGICAL OBSERVATORY SAVER PLATZ
SWITZERLAND

APCPL 03 004

PHYSICS-ENGINEERING-CHEMISTRY CORP BRADLEY COLE

APCPL 03 044

RICHARD AND BURNS INC MALDEN MASS

APCPL 02 0901

PIGA U ITALY

APCPLJ 197
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APCPLJ 195
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APCPLJ 591
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PITTSBURGH U PA

APCPL 02 0913
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APCPLJ1969
APCPLJ1970
APCPLJ1971

POLAROID CORP CAMBRIDGE MASS

APCPL 03 010

POLYTECHNIC INST OF BROOKLYN FREEPORT N Y

APCPL 02 0900
APCPL 02 0970
APCPL 02 0790
APCPL 02 0760
APCPL 02 0701
APCPL 02 0762
APCPL 02 0799
APCPL 02 0600
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APCPL 03 093

POMONA COLL CLAREMONT CALIF

PRINCETON U N J

APCPL 03 070
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APCPL 03 315
APCPL 03 704
APCPL 03 000
ARL 03 000
ARL 03 075
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ARL 03 100
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ARL 03 110
ARL 03 121
ARL 03 141
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ARL 03 200
ARL 03 227
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APCPL 599
APCPL 600

PUERTO RICO U MAYAGUEZ	APCRJ 1408 APCRJ 03 251 APCRJ 0015 APCRJ 075		APCRJ 446 APCRJ 447 APCRJ 448 APCRJ 449 APCRJ 452 APCRJ 453
PURDUE RESEARCH FOUNDATION LAFAYETTE IND	APCRJ 03 310 APCRJ 2729 APCRJ 4046 APCRJ 5144 APCRJ 17 APCRJ 374 APCRJ 600 APCRJ 831 APCRJ 845 APCRJ 1090 APCRJ 1105 APCRJ 1106 APCRJ 1249 APCRJ 1250 APCRJ 1251 APCRJ 1252 APCRJ 1253 APCRJ 1254 APCRJ 1497 APCRJ 1611	ROCHESTER U N Y	APCRJ 2120 APCRJ 4459 APCRJ 4461 APCRJ 5023 APCRJ 5205 APCRJ 40 APCRJ 41 APCRJ 119 APCRJ 131 APCRJ 133 APCRJ 150 APCRJ 163 APCRJ 270 APCRJ 320 APCRJ 500 APCRJ 509 APCRJ 501 APCRJ 604 APCRJ 640 APCRJ 647 APCRJ 668 APCRJ 684 APCRJ 685 APCRJ 690 APCRJ 679 APCRJ 684 APCRJ 680 APCRJ 903 APCRJ 1095 APCRJ 1299 APCRJ 1201 APCRJ 1293 APCRJ 1307 APCRJ 1309 APCRJ 1340 APCRJ 1361 APCRJ 1376
PURDUE U LAFAYETTE IND	APCRJ 3261 APCRJ 7 APCRJ 8 APCRJ 9 APCRJ 561 APCRJ 693 APCRJ 1004		APCRJ 667 APCRJ 668 APCRJ 684 APCRJ 685 APCRJ 690 APCRJ 679 APCRJ 684 APCRJ 680 APCRJ 903 APCRJ 1095 APCRJ 1299 APCRJ 1201 APCRJ 1293 APCRJ 1307 APCRJ 1309 APCRJ 1340 APCRJ 1361 APCRJ 1376
QUEENS U BELFAST NORTHERN IRELAND	APCRJ 03 1130 APCRJ 03 239 APCRJ 03 609 APCRJ 03 012 APCRJ 03 066 APCRJ 03 136 APCRJ 03 137 APCRJ 03 155		
RADIATION ENGINEERING LAB MAYNARD MASS	APCRJ 03 0099	ROCKFORD RESEARCH INST CAMBRIDGE MASS	APCRJ 167
RADIATION SYSTEMS INC ALEXANDRIA VA	APCRJ 03 136	ROME U ITALY	APCRJ 03 079 APCRJ 4004 APCRJ 017 APCRJ 030
RADIO CORP OF AMERICA DUBLINGTON MASS	APCRJ 03 0700 APCRJ 03 042		
RADIO CORP OF AMERICA SARNOFF RESEARCH CENTER PRINCETON N J	APCRJ 03 0910 APCRJ 03 0927 APCRJ 03 0944 APCRJ 03 0965 APCRJ 03 006 APCRJ 03 012 APCRJ 03 062 APCRJ 03 067 APCRJ 03 145 APCRJ 03 170 APCRJ 03 185 APCRJ 03 300 APCRJ 03 331 APCRJ 03 373 APCRJ 03 389	ROBSON METALS CORP NEWARK N J	APCRJ 03 007
RAYTHEON CO NORWOOD MASS	APCRJ 03 0936 APCRJ 03 0942 APCRJ 03 0943 APCRJ 03 0947 APCRJ 03 0951 APCRJ 03 040 APCRJ 03 138 APCRJ 03 626	ROYAL COLL OF SCIENCE AND TECH GLASGOW SCOTLAND	APCRJ 4773 APCRJ 313 APCRJ 927
RAYTHEON CO WALTHAM MASS	APCRJ 03 0926 APCRJ 03 0935 APCRJ 03 096 APCRJ 03 102	ROYAL INST OF TECH STOCKHOLM SWEDEN	APCRJ 03 0709 APCRJ 03 0709 APCRJ 03 0709 APCRJ 03 0709 APCRJ 03 174 APCRJ 03 175 APCRJ 03 300 APCRJ 03 322 APCRJ 03 454 APCRJ 03 503 APCRJ 03 504 APCRJ 1015 APCRJ 751 APCRJ 752 APCRJ 753 APCRJ 754 APCRJ 760
RAYTHEON CO WYLAND MASS	APCRJ 03 099 APCRJ 03 1074 APCRJ 03 1098	ROYAL SWEDISH ACADEMY OF SCIENCES STOCKHOLM SWEDEN	APCRJ 03 007
RCA VICTOR CO LTD MONTREAL P O CANADA	APCRJ 03 161	RUTGERS STATE U NEW BRUNSWICK N J	APCRJ 109 APCRJ 403 APCRJ 547 APCRJ 769 APCRJ 827 APCRJ 828 APCRJ 805 APCRJ 914 APCRJ 1160
RENSSELAER POLYTECHNIC INST TROY N Y	APCRJ 03 0311 APCRJ 03 0831 APCRJ 03 1091 APCRJ 4680 APCRJ 5067 APCRJ 5305 APCRJ 557 APCRJ 553 APCRJ 554 APCRJ 587 APCRJ 1209 APCRJ 1609	SALPETRIERE HOSPITAL PARIS FRANCE	APCRJ 1495
REPUBLIC AVIATION CORP FARMINGDALE N Y	APCRJ 5073 APCRJ 1003	SAN ANDRES U MAYOR LA PAZ BOLIVIA	APCRJ 5215 APCRJ 1350
RESEARCH TRIANGLE INST DURHAM N C	APCRJ 4042	SAN MARCOS NATIONAL U LIMA PERU	APCRJ 600
RETINA FOUNDATION BOSTON MASS	APCRJ 03 426 APCRJ 03 839	SAO PAULO U BRAZIL	APCRJ 1434 APCRJ 5253 APCRJ 951 APCRJ 949
RHODE ISLAND U KINGSTON	APCRJ 03 0733 APCRJ 03 230	SASKATCHEWAN U SASKATOON CANADA	APCRJ 03 0691 APCRJ 03 0692 APCRJ 03 0693 APCRJ 03 0694 APCRJ 03 1036 APCRJ 03 1037 APCRJ 03 1038 APCRJ 03 400 APCRJ 03 409 APCRJ 03 410 APCRJ 03 609 APCRJ 03 613 APCRJ 03 614
RICE U HOUSTON TEX	APCRJ 5150 APCRJ 5168		

SOLENTA S P A ROME ITALY

APCR 63 001
APCR 63 05
APCR 63 041

SENSITIVITY ASSOC LOS ANGELES CALIF

AFOSR J1100

SHIFFIELD U ENGLAND

ARL 63 007
AFOSR 400
AFOSR 001
AFOSR 000
AFOSR 006
AFOSR J1179

SIGMA U ITALY

AFOSR 004

SMITHSONIAN INSTITUTION SCIENCE INFORMATION EXCHANGE
WASHINGTON D C

OSR 63 016

SOUTH CAROLINA U COLUMBIA

AFOSR 1001
AFOSR 100

SOUTHAMPTON U ENGLAND

ARL 63 001
AFOSR 104
AFOSR J1007

SOUTHERN CALIFORNIA U LOS ANGELES CALIF

APCR 63 0737
APCR 63 0701
APCR 63 0003
APCR 63 0070
APCR 63 007
APCR 63 004
APCR 63 116
APCR 63 104
APCR 63 300
APCR 63 300
ARL 63 070
AFOSR 1001
AFOSR 1004
AFOSR 1000
AFOSR 1000
AFOSR 1000
AFOSR 1000
AFOSR 4073
AFOSR 100
AFOSR 401

SOUTHERN RESEARCH INST BIRMINGHAM ALA

AFOSR 729

SOUTHWEST RESEARCH INST SAN ANTONIO TEX

ARL 63 100
AFOSR 0140

SPACE GENERAL CORP FL HENRY CALIF

APCR 63 006

SPACE TECH LABS INC REDWOOD BEACH CALIF

APCR 62 0753
ARL 63 000

SPERRY RAND CORP FORD INSTRUMENT CO LONG ISLAND CITY N Y

APCR 63 007

SPERRY RAND CORP BENNINGTON RAND UNITAC DIV PHILADELPHIA PA

AFOSR 700

SPERRY RAND CORP SPERRY OYSCOPE CO GREAT NECK N Y

APCR 63 012

ST JAMES U BROOKLYN N Y

AFOSR 007

ST JOSEPH COLL WEST HARTFORD CONN

APCR 63 000

ST LOUIS U MO

APCR 63 701

STANFORD RESEARCH INST MENLO PARK CALIF

APCR 62 0017
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APCR 63 003
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AFOSR 4701
AFOSR 001
AFOSR J1010

STANFORD U CALIF

APCR 62 0107
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APCR 63 007
ARL 63 103
ARL 63 103
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AFOSR 4000
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AFOSR 4700
AFOSR 4007
AFOSR 4000
AFOSR 4077
AFOSR 1170
AFOSR 1001
AFOSR 1070
AFOSR 1070

STEVENS INST OF TECH HOBBOKEN N J

AFOSR 4077
AFOSR 01
AFOSR 523
AFOSR J1000
AFOSR J1001

STOCKHOLM U SWEDEN

APCR 63 020
AFOSR 0013
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RADREY D R	AFCL 62 1138	RENSON R F	AFCL 63 624	RIGG V	AFNSOJ 11090 AFNSOJ 11091 AFNSOJ 11092	BLICKMAN W	AFNSOJ 1173 AFNSOJ 1174	BONNET V	AFNSOJ 402 AFNSOJ 411
RADREY H F	AFCL 63 184	RENSON R F	AFCL 63 624	RIGG V	AFNSOJ 11090 AFNSOJ 11091 AFNSOJ 11092	BLICKMAN W	AFNSOJ 1173 AFNSOJ 1174	BONNET V	AFNSOJ 402 AFNSOJ 411
RADREY A	AFNSOJ 2161	RENSON R F	AFCL 63 624	RIGG V	AFNSOJ 11090 AFNSOJ 11091 AFNSOJ 11092	BLICKMAN W	AFNSOJ 1173 AFNSOJ 1174	BONNET V	AFNSOJ 402 AFNSOJ 411
RADREY W H	AFNSOJ 11460	RENSON R F	AFCL 63 624	RIGG V	AFNSOJ 11090 AFNSOJ 11091 AFNSOJ 11092	BLICKMAN W	AFNSOJ 1173 AFNSOJ 1174	BONNET V	AFNSOJ 402 AFNSOJ 411
RADREY E	ARL 63 133	RENSON R F	AFCL 63 624	RIGG V	AFNSOJ 11090 AFNSOJ 11091 AFNSOJ 11092	BLICKMAN W	AFNSOJ 1173 AFNSOJ 1174	BONNET V	AFNSOJ 402 AFNSOJ 411

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DAVIDSON R F	AFOSBJ 822	DAVIDS J A	AFOSBJ 856 AFOSBJ 855	DEARDE V C	AFOSBJ 219	DEAN J	ARL 63 830 ARL 63 144	DEANNEY L	AFOSBJ 63 830 AFOSBJ 63 118
DAVIDSON R F	AFOSBJ 854 AFOSBJ 857	DAVIDS J M	AFOSBJ1908 AFOSBJ1909	DEAN J	AFOSBJ 901	DEANNEY M	AFOSBJ 63 1400 AFOSBJ 63 144	DEANNEY A	AFOSBJ 63 864
DAVIDSON R F	AFOSBJ 857	DAVIDS J P	AFOSBJ 899	DEANNEY M	AFOSBJ 82 0311	DEANNEY R C	AFOSBJ1930	DEANNEY L JR	AFOSBJ 63 864
DAVIDSON M D	AFOSBJ1430	DAVIDS D M	AFOSBJ 4623	DEANNEY R	AFOSBJ 951	DEANNEY D L	AFOSBJ 4400 AFOSBJ 4401 AFOSBJ 4402 AFOSBJ1940 AFOSBJ1941 AFOSBJ1942	DEANNEY L Y JR	AFOSBJ 63 867
DAVIDSON M D	AFOSBJ1190 AFOSBJ1191 AFOSBJ1192	DAVIDS M T	AFOSBJ 175 AFOSBJ 178 AFOSBJ 179	DEANNEY R	AFOSBJ 4867	DEANNEY J	AFOSBJ 43 342	DEANNEY R F	ARL 63 104
DAVIDSON M D	AFOSBJ 648	DAVIDS J	AFOSBJ 62 1047	DEANNEY P	AFOSBJ 846	DEANNEY S T	AFOSBJ 63 140	DEANNEY J M	AFOSBJ 854 AFOSBJ 855 AFOSBJ 857
DAVIDSON M D	AFOSBJ 649	DAVIDS J A	AFOSBJ1940	DEANNEY J	AFOSBJ 114 AFOSBJ 115 AFOSBJ 116 AFOSBJ 117 AFOSBJ 118	DEANNEY P	AFOSBJ 63 140	DEANNEY R J	AFOSBJ 104
DAVIDSON M D	AFOSBJ 701 AFOSBJ 1193	DAVIDS J C	AFOSBJ 875	DEANNEY P A D	AFOSBJ 4937	DEANNEY M	AFOSBJ 411	DEANNEY R F	AFOSBJ1160
DAVIDSON M D	AFOSBJ 43 830	DAVIDS P A	AFOSBJ 43 840	DEANNEY P	AFOSBJ 767 AFOSBJ 768	DEANNEY R	AFOSBJ1177	DEANNEY P D	AFOSBJ 800
DAVIDSON M D	AFOSBJ 818	DAVIDS R G	AFOSBJ 63 887	DEANNEY P	AFOSBJ 767 AFOSBJ 768	DEANNEY R	AFOSBJ 624	DEANNEY R F	AFOSBJ 847
DAVIDSON M D	AFOSBJ 474	DAVIDS R M	AFOSBJ 961 AFOSBJ 963	DEANNEY R A S	AFOSBJ 790 AFOSBJ 767	DEANNEY R	AFOSBJ 5066	DEANNEY R F	AFOSBJ1173
DAVIDSON M D	AFOSBJ 3747 AFOSBJ 11761	DAVIDSON J F	AFOSBJ 627	DEANNEY R B	AFOSBJ1173	DEANNEY R	AFOSBJ 610 AFOSBJ1171	DEANNEY M L	AFOSBJ 4100
DAVIDSON M D	ARL 63 140 ARL 63 767	DAV G	AFOSBJ 1141	DEANNEY R B	AFOSBJ 4184	DEANNEY R J	ARL 63 131	DEANNEY M	AFOSBJ 630
DAVIDSON M D	AFOSBJ 761 AFOSBJ 889 AFOSBJ 949	DE BAR B H	AFOSBJ 231	DEANNEY R J	AFOSBJ1160	DEANNEY R C	ARL 63 806	DEANNEY M D	ARL 63 134
DAVIDSON M D	AFOSBJ 4217	DE CAROLIS V	AFOSBJ 267 AFOSBJ 263 AFOSBJ 703	DEANNEY R J	AFOSBJ 660 AFOSBJ 669	DEANNEY M	AFOSBJ 81	DEANNEY P	AFOSBJ1192
DAVIDSON M D	AFOSBJ 97	DE DOMINICIS C	AFOSBJ 219	DEANNEY J	AFOSBJ 634	DEANNEY M	AFOSBJ 4870 AFOSBJ 90 AFOSBJ 400	DEANNEY J	AFOSBJ 63 210 AFOSBJ 43 204
DAVIDSON M D	AFOSBJ 314	DE FLECK J	AFOSBJ 62 0925 AFOSBJ 62 0928	DEANNEY M F	AFOSBJ 634	DEANNEY G F	AFOSBJ 63 160	DEANNEY J	AFOSBJ 667
DAVIDSON M D	AFOSBJ 4850 AFOSBJ 843	DE LANGER M F	AFOSBJ 63 651 AFOSBJ 63 711 AFOSBJ 63 747	DEANNEY J JR	ARL 63 117	DEANNEY J A JR	AFOSBJ 62 0940 AFOSBJ 62 0943	DEANNEY M I	AFOSBJ 444
DAVIDSON M D	AFOSBJ 63 141	DE MAINE P A D	AFOSBJ 787 AFOSBJ 498 AFOSBJ1140	DEANNEY M	AFOSBJ 63 744	DEANNEY J D M	AFOSBJ 4814 AFOSBJ1123 AFOSBJ 94 AFOSBJ1120 AFOSBJ1120	DEANNEY M D M	AFOSBJ 123 AFOSBJ 980 AFOSBJ 982 AFOSBJ1144
DAVIDSON M D	AFOSBJ 784	DE MAYO D	AFOSBJ1160	DEANNEY J	AFOSBJ 63 750	DEANNEY G A	AFOSBJ 62 1071	DEANNEY M P	AFOSBJ 404
DAVIDSON M D	AFOSBJ 144	DE MOORE R J	AFOSBJ1130	DEANNEY K	AFOSBJ 806 AFOSBJ1199 AFOSBJ1450 AFOSBJ1451	DEANNEY K	AFOSBJ 806	DEANNEY M J M	AFOSBJ 101 AFOSBJ1204
DAVIDSON M D	ARL 63 804 ARL 63 234	DE MOYER J M	AFOSBJ 63 850	DEANNEY J	AFOSBJ 616	DEANNEY T M	AFOSBJ 63 AFOSBJ1180 AFOSBJ1177	DEANNEY R J	AFOSBJ 62 0414
DAVIDSON M D	AFOSBJ 47 1144	DE MURPHY P	AFOSBJ1171 AFOSBJ1172	DEANNEY J F	AFOSBJ 160 AFOSBJ 170 AFOSBJ 171 AFOSBJ 184 AFOSBJ 406 AFOSBJ 418 AFOSBJ 422 AFOSBJ 428 AFOSBJ 431 AFOSBJ 844 AFOSBJ 930	DEANNEY A M	AFOSBJ 63 806	DEANNEY M M	AFOSBJ 63 336
DAVIDSON M D	AFOSBJ 63 1071	DE NANTIS T G	AFOSBJ 63 842	DEANNEY J	AFOSBJ 63 801	DEANNEY P R	AFOSBJ 2140	DEANNEY J	AFOSBJ 63 145
DAVIDSON M D	AFOSBJ 63 724	DE SHULTZ A	ARL 63 841	DEANNEY J C	AFOSBJ 62 0800	DEANNEY R M	AFOSBJ 724	DEANNEY M L	AFOSBJ1192
DAVIDSON M D	AFOSBJ 261 AFOSBJ1429	DE SMITH A	AFOSBJ 21	DEANNEY J	AFOSBJ 62 0800	DEANNEY D	AFOSBJ 63 801	DEANNEY M D	AFOSBJ 62 0927 AFOSBJ 63 145
DAVIDSON M D	AFOSBJ 63 744	DE SMITH B S	AFOSBJ 21	DEANNEY J	AFOSBJ 62 0800	DEANNEY R B	AFOSBJ 677 AFOSBJ1142	DEANNEY P	AFOSBJ 784
DAVIDSON M D	AFOSBJ 63 823	DEAN A P	AFOSBJ 63 071	DEANNEY J	AFOSBJ 62 0800	DEANNEY R C	AFOSBJ 63 824	DEANNEY G A	AFOSBJ 4100
DAVIDSON M D	AFOSBJ1137	DEAN III L W	AFOSBJ 984	DEANNEY J	AFOSBJ 62 0800	DEANNEY R F	AFOSBJ 63 824	DEANNEY D R	AFOSBJ 4060
DAVIDSON M D	ARL 63 842	DEANNEY F J	AFOSBJ 62 0741	DEANNEY J	AFOSBJ 62 0800	DEANNEY R G	AFOSBJ 63 824	DEANNEY A J	AFOSBJ 63 8474
DAVIDSON M D	AFOSBJ 62 1012 AFOSBJ 63 241	DEANNEY P E T	AFOSBJ1137	DEANNEY J	AFOSBJ 62 0800	DEANNEY R H	AFOSBJ 63 824	DEANNEY P F	ARL 63 111
DAVIDSON M D	AFOSBJ 840	DEANNEY R	AFOSBJ 840	DEANNEY J	AFOSBJ 62 0800	DEANNEY M M	AFOSBJ 63 840	DEANNEY J Y	ARL 63 030 ARL 63 840 ARL 63 170 ARL 63 170
DAVIDSON M D	ARL 63 141	DEANNEY M	AFOSBJ 744	DEANNEY J	AFOSBJ 63 824	DEANNEY R E	ARL 63 144		

WAGNER T A	APRCL 63 886	WALLACE D A	APRCL 63 887	WALSH J M	APRCL 63 888	WALSH J M	APRCL 63 889	WALSH J M	APRCL 63 890	WALSH J M	APRCL 63 891	WALSH J M	APRCL 63 892	WALSH J M	APRCL 63 893	WALSH J M	WALSH J M	APRCL 63 894	WALSH J M	APRCL 63 895	WALSH J M	APRCL 63 896	WALSH J M	APRCL 63 897	WALSH J M	APRCL 63 898	WALSH J M	APRCL 63 899	WALSH J M	APRCL 63 900	WALSH J M	APRCL 63 901	WALSH J M	APRCL 63 902	WALSH J M	APRCL 63 903	WALSH J M	APRCL 63 904	WALSH J M	APRCL 63 905	WALSH J M	APRCL 63 906	WALSH J M	APRCL 63 907	WALSH J M	APRCL 63 908	WALSH J M	APRCL 63 909	WALSH J M	APRCL 63 910	WALSH J M	APRCL 63 911	WALSH J M	APRCL 63 912	WALSH J M	APRCL 63 913	WALSH J M	APRCL 63 914	WALSH J M	APRCL 63 915	WALSH J M	APRCL 63 916	WALSH J M	APRCL 63 917	WALSH J M	APRCL 63 918	WALSH J M	APRCL 63 919	WALSH J M	APRCL 63 920	WALSH J M	APRCL 63 921	WALSH J M	APRCL 63 922	WALSH J M	APRCL 63 923	WALSH J M	APRCL 63 924	WALSH J M	APRCL 63 925	WALSH J M	APRCL 63 926	WALSH J M	APRCL 63 927	WALSH J M	APRCL 63 928	WALSH J M	APRCL 63 929	WALSH J M	APRCL 63 930	WALSH J M	APRCL 63 931	WALSH J M	APRCL 63 932	WALSH J M	APRCL 63 933	WALSH J M	APRCL 63 934	WALSH J M	APRCL 63 935	WALSH J M	APRCL 63 936	WALSH J M	APRCL 63 937	WALSH J M	APRCL 63 938	WALSH J M	APRCL 63 939	WALSH J M	APRCL 63 940	WALSH J M	APRCL 63 941	WALSH J M	APRCL 63 942	WALSH J M	APRCL 63 943	WALSH J M	APRCL 63 944	WALSH J M	APRCL 63 945	WALSH J M	APRCL 63 946	WALSH J M	APRCL 63 947	WALSH J M	APRCL 63 948	WALSH J M	APRCL 63 949	WALSH J M	APRCL 63 950	WALSH J M	APRCL 63 951	WALSH J M	APRCL 63 952	WALSH J M	APRCL 63 953	WALSH J M	APRCL 63 954	WALSH J M	APRCL 63 955	WALSH J M	APRCL 63 956	WALSH J M	APRCL 63 957	WALSH J M	APRCL 63 958	WALSH J M	APRCL 63 959	WALSH J M	APRCL 63 960	WALSH J M	APRCL 63 961	WALSH J M	APRCL 63 962	WALSH J M	APRCL 63 963	WALSH J M	APRCL 63 964	WALSH J M	APRCL 63 965	WALSH J M	APRCL 63 966	WALSH J M	APRCL 63 967	WALSH J M	APRCL 63 968	WALSH J M	APRCL 63 969	WALSH J M	APRCL 63 970	WALSH J M	APRCL 63 971	WALSH J M	APRCL 63 972	WALSH J M	APRCL 63 973	WALSH J M	APRCL 63 974	WALSH J M	APRCL 63 975	WALSH J M	APRCL 63 976	WALSH J M	APRCL 63 977	WALSH J M	APRCL 63 978	WALSH J M	APRCL 63 979	WALSH J M	APRCL 63 980	WALSH J M	APRCL 63 981	WALSH J M	APRCL 63 982	WALSH J M	APRCL 63 983	WALSH J M	APRCL 63 984	WALSH J M	APRCL 63 985	WALSH J M	APRCL 63 986	WALSH J M	APRCL 63 987	WALSH J M	APRCL 63 988	WALSH J M	APRCL 63 989	WALSH J M	APRCL 63 990	WALSH J M	APRCL 63 991	WALSH J M	APRCL 63 992	WALSH J M	APRCL 63 993	WALSH J M	APRCL 63 994	WALSH J M	APRCL 63 995	WALSH J M	APRCL 63 996	WALSH J M	APRCL 63 997	WALSH J M	APRCL 63 998	WALSH J M	APRCL 63 999	WALSH J M	APRCL 63 1000	WALSH J M
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LIMBACH P M	APRCL 62 1127	WALSHAM M	APRCL 63 860	WATSON P J	APRCL 64 860	WATSON P J	APRCL 65 860	WATSON P J	APRCL 66 860
LIMBACH J D	APRCL 63 1079	WALSHAM M	APRCL 64 860	WATSON I	APRCL 65 860	WATSON I	APRCL 66 860	WATSON I	APRCL 67 860
LIMBACH P	APRCL 64 860	WALSHAM M D	APRCL 65 767	WATSON M M	APRCL 66 860	WATSON M M	APRCL 67 860	WATSON M M	APRCL 68 860
LIMBACH V L	APRCL 65 860	WALSHAM P	APRCL 66 860	WATSON P	APRCL 67 860	WATSON P	APRCL 68 860	WATSON P	APRCL 69 860
LIMBACH F M	APRCL 67 1100	WALSHAM R I	APRCL 68 860	WATSON R I	APRCL 69 860	WATSON R I	APRCL 70 860	WATSON R I	APRCL 71 860
LILLMANN M	APRCL 69 860	WATSON M A	APRCL 70 860	WATSON M A	APRCL 71 860	WATSON M A	APRCL 72 860	WATSON M A	APRCL 73 860
LIMM M D	APRCL 69 791	WATSON D	APRCL 71 860	WATSON D	APRCL 72 860	WATSON D	APRCL 73 860	WATSON D	APRCL 74 860
LIMM D	APRCL 69 799	WATSON J	APRCL 72 860	WATSON J	APRCL 73 860	WATSON J	APRCL 74 860	WATSON J	APRCL 75 860
LIMM D	APRCL 69 791	WATSON M	APRCL 73 860	WATSON M	APRCL 74 860	WATSON M	APRCL 75 860	WATSON M	APRCL 76 860
LINT D W	APRCL 62 1077	WATSON M W	APRCL 74 860	WATSON M W	APRCL 75 860	WATSON M W	APRCL 76 860	WATSON M W	APRCL 77 860
LIMM T A	APRCL 67 1008	WATSON P	APRCL 75 860	WATSON P	APRCL 76 860	WATSON P	APRCL 77 860	WATSON P	APRCL 78 860
LIMM M P	APRCL 69 106	WATSON R	APRCL 76 860	WATSON R	APRCL 77 860	WATSON R	APRCL 78 860	WATSON R	APRCL 79 860
LININGTON J-F	APRCL 63 807	WATSON M	APRCL 77 860	WATSON M	APRCL 78 860	WATSON M	APRCL 79 860	WATSON M	APRCL 80 860
LINDBERG I	APRCL 69 306	WATSON M	APRCL 78 860	WATSON M	APRCL 79 860	WATSON M	APRCL 80 860	WATSON M	APRCL 81 860
LIMMA P I	APRCL 62 8776	WATSON M	APRCL 79 860	WATSON M	APRCL 80 860	WATSON M	APRCL 81 860	WATSON M	APRCL 82 860
LINDBERG P	APRCL 69 1100	WATSON M	APRCL 80 860	WATSON M	APRCL 81 860	WATSON M	APRCL 82 860	WATSON M	APRCL 83 860
LINDBERG M R	APRCL 62 1127	WATSON M	APRCL 81 860	WATSON M	APRCL 82 860	WATSON M	APRCL 83 860	WATSON M	APRCL 84 860
LITZ C A	APRCL 62 1070	WATSON M	APRCL 82 860	WATSON M	APRCL 83 860	WATSON M	APRCL 84 860	WATSON M	APRCL 85 860
LITZ M P	APRCL 62 1077	WATSON M	APRCL 83 860	WATSON M	APRCL 84 860	WATSON M	APRCL 85 860	WATSON M	APRCL 86 860
LUMBERT M	APRCL 67 671	WATSON M	APRCL 84 860	WATSON M	APRCL 85 860	WATSON M	APRCL 86 860	WATSON M	APRCL 87 860
LUND V M	APRCL 62 1070	WATSON M	APRCL 85 860	WATSON M	APRCL 86 860	WATSON M	APRCL 87 860	WATSON M	APRCL 88 860
LUND P	APRCL 62 860	WATSON M	APRCL 86 860	WATSON M	APRCL 87 860	WATSON M	APRCL 88 860	WATSON M	APRCL 89 860
LUND I M	APRCL 62 1067	WATSON M	APRCL 87 860	WATSON M	APRCL 88 860	WATSON M	APRCL 89 860	WATSON M	APRCL 90 860
LUTLE P A	APRCL 62 860	WATSON M	APRCL 88 860	WATSON M	APRCL 89 860	WATSON M	APRCL 90 860	WATSON M	APRCL 91 860
LUTTON J I	APRCL 62 121	WATSON M	APRCL 89 860	WATSON M	APRCL 90 860	WATSON M	APRCL 91 860	WATSON M	APRCL 92 860
MACCAMY R C	APRCL 62 1071	WATSON M	APRCL 90 860	WATSON M	APRCL 91 860	WATSON M	APRCL 92 860	WATSON M	APRCL 93 860
MACHINARI I D	APRCL 62 1066	WATSON M	APRCL 91 860	WATSON M	APRCL 92 860	WATSON M	APRCL 93 860	WATSON M	APRCL 94 860
MADAY R M	APRCL 62 860	WATSON M	APRCL 92 860	WATSON M	APRCL 93 860	WATSON M	APRCL 94 860	WATSON M	APRCL 95 860
MADAY A R	APRCL 62 860	WATSON M	APRCL 93 860	WATSON M	APRCL 94 860	WATSON M	APRCL 95 860	WATSON M	APRCL 96 860
MADAY M	APRCL 62 860	WATSON M	APRCL 94 860	WATSON M	APRCL 95 860	WATSON M	APRCL 96 860	WATSON M	APRCL 97 860
MADAY R D	APRCL 62 860	WATSON M	APRCL 95 860	WATSON M	APRCL 96 860	WATSON M	APRCL 97 860	WATSON M	APRCL 98 860
MADAY P	APRCL 62 860	WATSON M	APRCL 96 860	WATSON M	APRCL 97 860	WATSON M	APRCL 98 860	WATSON M	APRCL 99 860
MADAY R J	APRCL 62 860	WATSON M	APRCL 97 860	WATSON M	APRCL 98 860	WATSON M	APRCL 99 860	WATSON M	APRCL 00 860

6041 J O	APR 67 894	APR 67 1010	APR 67 1200	APR 67 1400	APR 67 1600	APR 67 1800	APR 67 2000
6042 J M	APR 67 895	APR 67 1011	APR 67 1201	APR 67 1401	APR 67 1601	APR 67 1801	APR 67 2001
6043 J N	APR 67 896	APR 67 1012	APR 67 1202	APR 67 1402	APR 67 1602	APR 67 1802	APR 67 2002
6044 J P	APR 67 897	APR 67 1013	APR 67 1203	APR 67 1403	APR 67 1603	APR 67 1803	APR 67 2003
6045 J Q	APR 67 898	APR 67 1014	APR 67 1204	APR 67 1404	APR 67 1604	APR 67 1804	APR 67 2004
6046 J R	APR 67 899	APR 67 1015	APR 67 1205	APR 67 1405	APR 67 1605	APR 67 1805	APR 67 2005
6047 J S	APR 67 900	APR 67 1016	APR 67 1206	APR 67 1406	APR 67 1606	APR 67 1806	APR 67 2006
6048 J T	APR 67 901	APR 67 1017	APR 67 1207	APR 67 1407	APR 67 1607	APR 67 1807	APR 67 2007
6049 J U	APR 67 902	APR 67 1018	APR 67 1208	APR 67 1408	APR 67 1608	APR 67 1808	APR 67 2008
6050 J V	APR 67 903	APR 67 1019	APR 67 1209	APR 67 1409	APR 67 1609	APR 67 1809	APR 67 2009
6051 J W	APR 67 904	APR 67 1020	APR 67 1210	APR 67 1410	APR 67 1610	APR 67 1810	APR 67 2010
6052 J X	APR 67 905	APR 67 1021	APR 67 1211	APR 67 1411	APR 67 1611	APR 67 1811	APR 67 2011
6053 J Y	APR 67 906	APR 67 1022	APR 67 1212	APR 67 1412	APR 67 1612	APR 67 1812	APR 67 2012
6054 J Z	APR 67 907	APR 67 1023	APR 67 1213	APR 67 1413	APR 67 1613	APR 67 1813	APR 67 2013

STIMMONS D A	APFOSJ1909 APFCL 65 301	SMITH D	APFOSJ1877	STONERSON D D	APFCL 65 179	STONERSON D	APFOSJ 606 APFOSJ 605	STONOFF A J	APFCL 65 709
SILBERBERG A	APOSJ 2567 APOSJ 2565	SMITH E V	APFOSJ 1906	STONERSON T	APFCL 62 0905	STONOFF P V	APFCL 65 105	STONOFF C W	APFCL 65 001
SILVER L B	APFOSJ 709	SMITH F D	APOSJ 1804	STONOFF A	APFOSJ1202	STONOFF R M	APFOSJ 6719 APFOSJ 67 APFOSJ 176	STONOFF M B	APFCL 65 055
SILVER M B	APFOSJ 4636	SMITH A A	APOSJ 6755	STONOFF T J	APFOSJ 65 4628 APFCL 65 5529	STADLERMAN D	APFCL 65 196	STONOFF W	APFOSJ 2500
SILVA P	APOSJ1101	SMITH B L	APOSJ1905	STONOFF V V	APFCL 65 017	STAFFORD D	APFCL 65 196	STONOFF R J B	APFCL 62 0040 APFCL 62 0076 APFCL 62 037 APFCL 65 192
SILVER I A	APOSJ 839	SMITH F F	APFOSJ1196	STONOFF L	APFOSJ 650	STAFFORD M M	APFOSJ 677	STONOFF C F	APFCL 62 0017
SILVERMAN M	APFCL 65 607	SMITH F J	APFCL 62 0015	STONOFF J A	APFOSJ1186	STAFFORD A L	APFOSJ 679	STONOFFER M M	APFOSJ 176
SILVERMAN A J	APFOSJ 67 APFOSJ 172 APFOSJ 699	SMITH E V P	APFCL 62 1066 APFCL 65 496	STONOFF R W	APFCL 65 576	STAFFORD C V	APFOSJ 276 APFOSJ 140 APFOSJ1493	STONOFF A	APFOSJ 262
SILVERMAN B D	APFCL 65 096	SMITH G N	APFOSJ 208 APFOSJ 915	STONOFF J	APOSJ 1924	STAFFORD T J	APFCL 67 1984	STONOFFER M	APFCL 65 754
SILVERMAN G W	APFCL 65 855	SMITH M T U	APFCL 65 669	STONOFF A F	APFCL 62 1129	STAFFORD P L	APFOSJ 126	STONOFF J J	APFOSJ 4340
SIMMONS W A	APFOSJ 687	SMITH JR J P	APFOSJ 725	STONOFF F A	APFOSJ1160	STARCK D W	APFOSJ 662	STONOFF B	APFCL 65 154
SIMMONS W C	APFCL 65 005	SMITH JR J M	APOSJ1064	STONOFF P	APFOSJ1064	STARCK V P	APFCL 65 671 APFCL 65 628	STONOFF D	APFOSJ 5063
SIMPSON A M JR	APFCL 62 0870 APFCL 65 282 APFCL 65 673	SMITH J D	APFOSJ1291 APFOSJ1486	STONOFF P M	APFCL 65 089	STARCK W M	APFOSJ 77 APFOSJ 78	STONOFF M S	APFOSJ 164
SIMPSON W T	APFOSJ 2481 APFOSJ 694	SMITH K H	APFOSJ 4887	STONOFF R D	APFOSJ 6610 APFOSJ 161 APFOSJ 496	STARCK M M	APFOSJ 64 APFOSJ1228	STARCK P C	APFOSJ1492
SINGER J	APFOSJ 6411 APFOSJ 710 APFOSJ 850	SMITH M W	APOSJ 284	STONOFF F	APFOSJ 718	STARCK W R	APFCL 65 670	STARCK P A B	APFOSJ 200 APFOSJ 269 APFOSJ 284 APFOSJ 300 APFOSJ 679
SINGER J R	APFOSJ 2251 APFOSJ 82 APFOSJ 65 APFOSJ 88	SMITH R L JR	APFCL 65 647	STONOFF D A	APFOSJ1208	STARCK P W	APFOSJ 771	STARCK P M	APFCL 65 687
SINGER R F	APFOSJ 4599	SMITH R	APFCL 62 1105	STONOFF D	APFCL 65 054	STARCK R A	APFOSJ 2796 APFOSJ 2929 APFOSJ1969	STARCK W J M	APFCL 62 0075
SIAM M	APOSJ 9118 APFOSJ 679	SMITH R C	APOSJ1388	STONOFF V	APFCL 65 298	STARCK A K	APFOSJ 659	STARCK M W	APFOSJ 614
SIROVICH L	APOSJ 538	SMITH R D	APFCL 65 046	STONOFF T W	APFCL 65 070	STARCK R P	APFCL 65 382	STARCK M	APFOSJ 606 APFOSJ 613 APFOSJ 616
SIRETS M B	APFOSJ 77	SMITH R V	APFCL 65 091	STONOFF S	APOSJ 842	STARCK R M	APFOSJ 608	STARCK P F Z	APFCL 65 192
SLOVETZ M M	APFCL 65 378	SMITH S W	APFOSJ 256	STONOFF M A JR	APFCL 62 0767	STARCK P	APFCL 65 192	STARCK R W	APFOSJ 676 APFOSJ 686
SLOVETZ D	APFOSJ 675	SMITH M B	APFOSJ 161	STONOFF N	APFOSJ1161	STARCK P L	APFOSJ 996	STARCK M M	APFOSJ 906 APFOSJ1171 APFOSJ1049
SLOVETZ A	APFOSJ1698 APFOSJ1901	SMITH N J	APFOSJ 6860	STONOFF L	APFCL 65 180	STARCK M P	APFOSJ 710	STARCK J B	APFCL 65 114
SLOVETZ J M	APFCL 67 1070	SMITH N M	APFOSJ 731 APFOSJ 1197 APFOSJ1910	STONOFF P A	APFOSJ 6763 APFOSJ 584 APFOSJ1691	STARCK M D	APFCL 62 0012	STARCK J N	APFOSJ 4370
SLOVETZ J J	APFOSJ 885	SMITH N W	APFCL 62 0769 APFCL 62 0923	STONOFF T	APFCL 65 357	STARCK M D	APFCL 65 659	STARCK M A	APFCL 62 0011
SLOVETZ A	APFCL 65 837	SMITH O M	APFOSJ 1146 APFOSJ1147	STONOFF L	APFOSJ 683	STARCK P A	APFOSJ 652	STARCK D J	APFOSJ 676 APFOSJ 77 APFOSJ 407
SLOVETZ C J	APFCL 62 0744 APFCL 65 051 APFCL 65 182	SMITH P F	APFOSJ 251	STONOFF M A	APFOSJ 75	STARCK L	APFOSJ 202	STARCK M W	APFOSJ 676 APFOSJ1968
SLOVETZ L M	APFOSJ1553	SMITH R E	APFOSJ 4612	STONOFF D	APFCL 65 162	STARCK M	APFOSJ 230 APFOSJ 240 APFOSJ 356	STARCK J	APFOSJ 790
SLOVETZ S	APFOSJ 4922	SMITH R U	APFOSJ 388	STONOFF P	APFOSJ 61	STARCK M C	APFOSJ 230 APFOSJ 240 APFOSJ 356	STARCK D	APFOSJ 676 APFOSJ 77 APFOSJ 407
SMALL J B	APFOSJ 284	SMITH S T	APFOSJ 20	STONOFF R	APFOSJ 61	STARCK P A	APFOSJ 230 APFOSJ 240 APFOSJ 356	STARCK M A	APFOSJ 676 APFOSJ 77 APFOSJ 407

TOLUP V P	AFOSR 3720 AFOSR 470 AFOSR 600 AFOSR 1100	TRUB R	AFOSS 6000 AFOSR 11 AFOSR 622 AFOSR 707	VANDERBILT E	AFCL 61 800	VANDERBILT E	AFCL 61 800	VANDERBILT E	AFOSR 611
TORRELLAND E W	AFOSR 4130	TRUP P A	AFOSR 11001 AFOSR 11007 AFOSR 11000 AFOSR 11100	VAN I P	ARL 61 870 ARL 61 880 ARL 61 180	VANDERBILT E	AFCL 61 800	VANDERBILT E	AFCL 61 870
TORRELLAND E W	AFOSR 11104 AFOSR 11104	TRUB P A	AFOSR 11001 AFOSR 11007 AFOSR 11000 AFOSR 11100	VANDERBILT E	AFOSR 6170	VANDERBILT E	AFOSR 11001 AFOSR 11007 AFOSR 11000 AFOSR 11100	VANDERBILT E	AFOSR 11002 AFCL 61 1071
TORRELLAND E W	AFOSR 670	TRUB P A	AFCL 61 410	VANDERBILT E	AFOSR 11170	VANDERBILT E	AFOSR 61 870 AFCL 61 801	VANDERBILT E	ARL 61 817
TORRELLAND E W	AFOSR 6707 AFOSR 4700	TRUB P A	AFOSR 700	VANDERBILT E	AFOSR 217 AFOSR 230	VANDERBILT E	AFOSR 61 802	VANDERBILT E	AFOSR 61
TORRELLAND E W	ARL 61 150	TRUB P A	AFOSR 4000	VANDERBILT E	AFOSR 920	VANDERBILT E	ARL 61 157	VANDERBILT E	AFOSR 61 107
TORRELLAND E W	ARL 61 099	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 61 099
TORRELLAND E W	AFCL 61 022	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 61 022
TORRELLAND E W	AFOSR 154	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 154
TORRELLAND E W	AFOSR 11497	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 11497
TORRELLAND E W	AFOSR 11250 AFOSR 11251 AFOSR 11252	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 11250 AFOSR 11251 AFOSR 11252
TORRELLAND E W	AFOSR 700	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 700
TORRELLAND E W	AFOSR 11000 AFOSR 11901	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 11000 AFOSR 11901
TORRELLAND E W	AFOSR 470	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 470
TORRELLAND E W	AFCL 61 410	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFCL 61 410
TORRELLAND E W	AFOSR 750 AFOSR 700	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 750 AFOSR 700
TORRELLAND E W	AFOSR 4171	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 4171
TORRELLAND E W	AFCL 61 631	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFCL 61 631
TORRELLAND E W	AFOSR 1103	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 1103
TORRELLAND E W	AFCL 61 800	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFCL 61 800
TORRELLAND E W	AFOSR 310	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 310
TORRELLAND E W	AFCL 61 0705	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFCL 61 0705
TORRELLAND E W	AFOSR 4707	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 4707
TORRELLAND E W	AFOSR 700	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 700
TORRELLAND E W	AFOSR 4030 AFOSR 4700	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 4030 AFOSR 4700
TORRELLAND E W	AFOSR 850 AFOSR 855 AFOSR 850 AFOSR 857	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 850 AFOSR 855 AFOSR 850 AFOSR 857
TORRELLAND E W	AFCL 61 050	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFCL 61 050
TORRELLAND E W	AFCL 61 465	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFCL 61 465
TORRELLAND E W	AFOSR 5100	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 5100
TORRELLAND E W	AFOSR 11000	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 11000
TORRELLAND E W	AFCL 61 1150 AFCL 61 1100 AFCL 61 031	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFCL 61 1150 AFCL 61 1100 AFCL 61 031
TORRELLAND E W	AFCL 61 0930	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFCL 61 0930
TORRELLAND E W	AFOSR 11472	TRUB P A	AFOSR 630	VANDERBILT E	AFOSR 920	VANDERBILT E	AFOSR 61 870 AFOSR 61 100 AFOSR 61 100	VANDERBILT E	AFOSR 11472

WAGNER M F	APRIL 65 401 APRIL 65 402 APRIL 65 403	WAGNER W C	APRIL 65 1000	WAGNER V J	APRIL 65 1001	WAGNER D	APRIL 65 1100	WAGNER A A	APRIL 65 171
WAGNER A F	APRIL 65 507	WAGNER C	APRIL 65 1010	WAGNER B J	APRIL 65 201	WAGNER M G P	APRIL 65 110	WAGNER M H	APRIL 65
WAGNER J G	APRIL 65 508	WAGNER D A	APRIL 65 509	WAGNER S E	APRIL 65 701	WAGNER C D	APRIL 65 600 APRIL 65 701	WAGNER T	APRIL 65 707
WAGNER D A	APRIL 65 610	WAGNER F H	APRIL 65 600	WAGNER P D	APRIL 65 707 APRIL 65 708 APRIL 65 810 APRIL 65 811 APRIL 65 812	WAGNER D J	APRIL 65 1000	WAGNER R T	APRIL 65 802
WAGNER I	APRIL 65 600	WAGNER H D	APRIL 65 100	WAGNER W W	APRIL 65 700	WAGNER P M	APRIL 65 901	WAGNER T	APRIL 65 811
WAGNER S	APRIL 65 1100 APRIL 65 1101 APRIL 65 1102	WAGNER J F	APRIL 65 600	WAGNER D L	APRIL 65 777 APRIL 65 778	WAGNER J T	APRIL 65 672 APRIL 65 673	WAGNER A J	APRIL 65 678
WAGNER M	APRIL 65 800	WAGNER K	APRIL 65 600	WAGNER E W	APRIL 65 700	WAGNER M E	APRIL 65 600	WAGNER M W	APRIL 65 676
WAGNER J	APRIL 65 514 APRIL 65 718	WAGNER L	APRIL 65 577	WAGNER J L	APRIL 65 276	WAGNER P	APRIL 65 757	WAGNER C	APRIL 65 600
WAGNER B A	APRIL 65 676	WAGNER M	APRIL 65 200	WAGNER R	APRIL 65 701	WAGNER D R	APRIL 65 1100	WAGNER T J	APRIL 65 680
WAGNER L C	APRIL 65 600	WAGNER N	APRIL 65 207	WAGNER A	APRIL 65 800	WAGNER Y	APRIL 65 700	WAGNER D F	APRIL 65 677
WAGNER S	APRIL 65 200	WAGNER O	APRIL 65 200	WAGNER H	APRIL 65 800	WAGNER M E	APRIL 65 70	WAGNER D M	APRIL 65 67
WAGNER T B	APRIL 65 576	WAGNER P	APRIL 65 200	WAGNER J	APRIL 65 800	WAGNER M M	APRIL 65 100	WAGNER J F	APRIL 65 670
WAGNER D D	APRIL 65 600	WAGNER Q	APRIL 65 200	WAGNER K	APRIL 65 800	WAGNER M	APRIL 65 100	WAGNER R A	APRIL 65 651
WAGNER F J	APRIL 65 36	WAGNER R	APRIL 65 200	WAGNER L	APRIL 65 800	WAGNER M	APRIL 65 100	WAGNER M M	APRIL 65 600 APRIL 65 600
WAGNER W	APRIL 65 1100	WAGNER S	APRIL 65 200	WAGNER T	APRIL 65 271 APRIL 65 272	WAGNER M F	APRIL 65 100	WAGNER M A	APRIL 65 1110
WAGNER H L	APRIL 65 600	WAGNER J A	APRIL 65 700 APRIL 65 701 APRIL 65 810 APRIL 65 811	WAGNER M A	APRIL 65 100	WAGNER D O	APRIL 65 100	WAGNER M	APRIL 65 673 APRIL 65 125 APRIL 65 149
WAGNER S	APRIL 65 600	WAGNER J B	APRIL 65 1500	WAGNER H	APRIL 65 100	WAGNER D A	APRIL 65 600 APRIL 65 100	WAGNER J R	APRIL 65 1117
WAGNER S	APRIL 65 600	WAGNER N B	APRIL 65 600	WAGNER P	APRIL 65 100	WAGNER S	APRIL 65 600	WAGNER M A	APRIL 65 600 APRIL 65 671 APRIL 65 672 APRIL 65 673
WAGNER S	APRIL 65 100	WAGNER A V	APRIL 65 670	WAGNER A B	APRIL 65 100	WAGNER F	APRIL 65 207	WAGNER D M	APRIL 65 100
WAGNER S T	APRIL 65 600 APRIL 65 707	WAGNER M	APRIL 65 610 APRIL 65 702	WAGNER H M	APRIL 65 670	WAGNER T P	APRIL 65 600	WAGNER P M	APRIL 65 100
WAGNER K E	APRIL 65 600	WAGNER O C	APRIL 65 600	WAGNER H	APRIL 65 100	WAGNER J	APRIL 65 610	WAGNER R W M	APRIL 65 107
WAGNER J A	APRIL 65 100	WAGNER L	APRIL 65 101	WAGNER J C	APRIL 65 600	WAGNER M	APRIL 65 100	WAGNER A C	APRIL 65 100
WAGNER D E	APRIL 65 600 APRIL 65 170 APRIL 65 271	WAGNER S W	APRIL 65 100	WAGNER J W	APRIL 65 100	WAGNER V	APRIL 65 100	WAGNER D P	APRIL 65 600
WAGNER A M	APRIL 65 707	WAGNER G W	APRIL 65 600	WAGNER L	APRIL 65 100	WAGNER M	APRIL 65 600	WAGNER R	APRIL 65 670
WAGNER F J	APRIL 65 600	WAGNER V S	APRIL 65 600	WAGNER M L	APRIL 65 100	WAGNER M	APRIL 65 600	WAGNER V	APRIL 65 600
WAGNER M	APRIL 65 600	WAGNER W M	APRIL 65 600	WAGNER H M	APRIL 65 670	WAGNER D M	APRIL 65 600 APRIL 65 600 APRIL 65 600	WAGNER A N	APRIL 65 200
WAGNER J T	APRIL 65 1010	WAGNER W H	APRIL 65 200	WAGNER M J	APRIL 65 600 APRIL 65 600	WAGNER P P	APRIL 65 100	WAGNER L	APRIL 65 600
WAGNER P J M	APRIL 65 100	WAGNER W I	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER M	APRIL 65 100	WAGNER R A	APRIL 65 100 APRIL 65 101
WAGNER D	APRIL 65 101	WAGNER W J	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 700
WAGNER J	APRIL 65 101 APRIL 65 102 APRIL 65 103	WAGNER W K	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER A A	APRIL 65 771
WAGNER M	APRIL 65 101 APRIL 65 102 APRIL 65 103	WAGNER W L	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M W M	APRIL 65 107
WAGNER M W	APRIL 65 101 APRIL 65 102 APRIL 65 103	WAGNER W M	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
WAGNER S	APRIL 65 600	WAGNER W N	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
WAGNER S D	APRIL 65 1000	WAGNER W O	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W P	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W Q	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W R	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W S	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W T	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W U	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W V	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W W	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W X	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W Y	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200
		WAGNER W Z	APRIL 65 600	WAGNER M W	APRIL 65 600	WAGNER J A	APRIL 65 100	WAGNER M	APRIL 65 200

VENR F O	APRCL J 791 APRCL J 1997	VENR J I	APRCL J 1799	VNHHK L P	APRCL 6567 APRCL J 696 APRCL J 676 APRCL J 657 APRCL J 659 APRCL J 646	ZANBOSCH L	APRCL J 657 APRCL J 676	ZIFWPD N O	APRCL 65 590 APRCL 65 316
VENR F B	APRCL 6561	VENR V	APRCL J 1627 APRCL J 1616	VNHHK M P	APRCL 65 256 APRCL 65 260	ZANCHOFFT A	APRCL J 696	ZIFWPD N W	APRCL 6569
VENR L	APRCL J 647	VENR J T	ARL 65 166	VNHHK L C	APRCL 65 666	ZANCTON B J	APRCL J 165	ZIFWPD N C	APRCL J 1770
VENR V	ARL 65 166	VNHHK A	APRCL J 1197	VNHHK M N	APRCL 65 256 APRCL 65 260	ZAPP M B	APRCL 65 616	ZIFWPD N F	APRCL 6067
VENR A	APRCL J 616 APRCL J 619 APRCL J 664 APRCL J 666 APRCL J 1195	VNHHK B	APRCL 6570	VNHHK M W	APRCL J 1612	ZAPPEY A	APRCL 6516	ZIFWPD N R	APRCL 65 1124
VENR B	APRCL J 1160	VNHHK F	APRCL 6574	ZARIN B A	APRCL J 7	ZARLWERT J A	APRCL J 1671 APRCL J 1672	ZIFWPD N	APRCL 6567
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THE INHIBITION OF THE				AFOSRJ1523	ASPECTS OF DRY	AFCLR 63 086
THE INHIBITION OF THE				AFOSRJ 360	GROWTH OF THE WARD HUNT	AFCLR 63 404
THE INHIBITION OF THE				AFOSR 5243	SPITZBERGEN AND ITS	AFCLR 62 1067
THE INHIBITION OF THE					ICE TRANSPORT BETWEEN GREENLAND AND	
THE INHIBITION OF THE					ICES, PART I. FURTHER INVESTIGATIONS	
THE INHIBITION OF THE					MEASUREMENTS ON	
THE INHIBITION OF THE					ICE, WITH REFERENCE TO THE WARD	

ON INTERFACIAL TAYLOR PORT, A COORDINATE LAYER FIELD - CHANNEL S, 17 JUNE COMBUSTION TUOD OF RAYLEIGH-TAYLOR ON THE GENERAL PAR 1965, D & AUTOMATED SPIN WAVE ON SHEAR-LAYER OF A ROCKETSNOOD CORTEX IN CLASSICAL AND ANT USBD IN CONDUCTION FOR UPPER-LAYER DENSITY OF IMPROVEMENT OF, AND OF AC CONDUCTIVITY/CORRECT TEST STAND MODEL DEVELOPMENT OF IMPROVED GNETS METAL TO MANGE FERROMAGNETISM IN A MODIFIED PARATYPE OF THE SINGULAR THREE TYPE, AND RELATED AL SOLUTION OF FREDHOLM RE IN ACNE APPROXIMATE ON THE USE OF SINGULAR APPROXIMATE SOLUTION OF AL RERAPLS, AUG. & DUAL FLUIDS ECCON-NEIGHBOR EXCHANGING OF THE BACKGROUND VISCIOUS FREE-WILING RADIATION FIELD BY THE ONS OZLES BY THE METHOD OF SYMPERIC POTENTIAL & THE ELSTON AND PEYMAN OF SOME ATOMIC OVERLAP FOR SOME MOLECULAR SIS PROBLEMS IN SILICON	STABILITY EFFECT OF DIFFUSION AND ENERGY TRANSFORMATION AND TRANSITION, FINAL RE INSTABILITY IN A TOROIDAL PLASMA AT INSTABILITY IN LAMINAR BOUNDARY LAYE INSTABILITY IN PLASMA, C S INSTABILITY OF STIFFENED CYLINDRICAL INSTABILITY OF STRATIFIED SHEAR FLOW INSTABILITY THRESHOLD MEASUREMENT AN INSTABILITY, BREAKDOWN AND TRANSITION INSTRUMENTAL PACKAGE FOR HIGH ALTITUDE INSTRUMENTAL CONDITIONS RELATIVES, INSTRUMENTATION AND RECORDING EQUIPM INSTRUMENTATION DEVELOPMENTS INSTRUMENTATION FOR A NEW HIGH FREC INSTRUMENTATION FOR THE MEASUREMENT INSTRUMENTATION SYSTEM, JAN 1965, INSTRUMENTATION, 26 AUG 1963, & THE INSULATOR TRANSITION IN ANTI-FERROMA INSULATORS INDIRECT (AC INTERFEROMETER AS A DISCRIMINATION INTEGRAL EQUATION FOR DIFFRACT IN INTEGRAL EQUATIONS C OF THE WA INTEGRAL EQUATIONS & FOR THE NUMERIC INTEGRAL EQUATIONS FOR THE TEMPERATI INTEGRAL EQUATIONS IN THE SOLUTION INTEGRAL EQUATIONS OF THE CONVOLUTION INTEGRAL EQUATIONS WITH TRIGONOMETRIC INTEGRAL EXPANSIONS IN INHOMOGENEOUS INTEGRAL IN EUS INTEGRAL IN THE REGGE FORMULAR, INTEGRAL METHOD SOLUTIONS OF LAMINAR INTEGRAL METHOD, 10 AUG 1963, OF THE INTEGRAL NORMS OF SUBADDITIVE FUNCTI INTEGRAL RELATIONS & ARISYMETRIC N INTEGRAL REPRESENTATIONS OF AXIALLY INTEGRALS INTEGRALS CONTAINING FUNCTIONS OF INTEGRALS IN BLOCH ELECTRONS, 15 MAY INTEGRALS, ANALYSIS AND DESCRIPTION, INTEGRATED CIRCUITS C AND SYNTHE INTEGRATED LOGIC NETS, 16 JUN 1963, INTEGRATION OF BARATROPIC FLOW ON A INTEGRATION OF CERTAIN PARTIAL DIFFE INTEGRATION OF THE FIRSTORDER PERTU INTEGRAL OF MOTION INTEGRAL & COMMUNICATIONS, AND S INTEGRALS NEW EYE INTELLIGENCE, 15 NOV 1962, THRESH INTENSIFICATION, NOV 1962, & AND W INTENSITIES IN CRYSTAL PROJECTION ST INTENSITIES OF CRYSTAL SPECTRA OF RA & SHAPES, POSITIONS AND CN SPECTRAL LINE INCREASE OF RADIATION DICROTIC TIME AND OF THE EFFECTS OF HIGH - II, THE SLOPE OF THE THE VIBES AT & ABSOLUTE N 20 BANDS OF THE O ₂ & OF THE SPECTRAL - THE EFFECT OF LIGHT ELECTRON BEAMS WITH HIGH SPORT, SEP. 1963, HIGH- PART II, SUPERIMPOSED APR 1963, COSMIC RAY HE COSMIC RAY MIC COSMIC RAY NIC RADIATION, OF SELF-ORGANIZING & QUANTUM THEORY OF ION AND STATISTICS /11/ ATH OF PROTONS AT 3 FEV NONLINEAR NONLINEAR SURFACES, PART II, MEDIA, 10, NONLINEAR FIELDS AND STUDY OF THE LL DEFENATURE OF THE LL DEFENATURE OF THE -DIMENSIONAL MAGNE IC & BY BEANS, D. CYCLO STUDY OF A COULOMB R, FINAL REPORT, JUNE 4 ITH A MAGNETIC DIPOLE & WAVES BY THE LZEC SYSTEMS, OCT 65, IN A PLASMA, MAR 1962, WAVES IN A HYPERSOFTIE OF VIBRATION/RADIATION CEREBELLO-RETICULAR IN ELECTROMAGNETIC WAVE FIELDS, MAY 1962, SHOCK DISLOCATIONS AND THEIR FREE NUCLEON-- NUCLEON LER MODELLING-- STREAM LEFTS, FINAL REPORT, & - II, PRIMARY COSMIC RAY N CRYSTAL/CELL-REACTI N ORGANIZATI--REACTI ONAL & ELECTRON NUCLEAR BARYON--BARYON RS, FINAL & MICROWAVE N 1000 REV., & NUCLEAR MATIC SYSTEM/ELECTRONIC STUDY OF MAGNETOELASTIC ELD, MAY 1961, COULOMB ELD, I, ACID/BALECOULOMB ELEMENTARY D HYPER NUCLEONIC WAVE FIRST LACITE/HYPERFINE AND WEAR PASSENIC BOUNDARY LAYER THE W & ROBE AND OTHER 4-PORT C/PROPRIETES AND LIFE	STABILITY EFFECT OF DIFFUSION AND ENERGY TRANSFORMATION AND TRANSITION, FINAL RE INSTABILITY IN A TOROIDAL PLASMA AT INSTABILITY IN LAMINAR BOUNDARY LAYE INSTABILITY IN PLASMA, C S INSTABILITY OF STIFFENED CYLINDRICAL INSTABILITY OF STRATIFIED SHEAR FLOW INSTABILITY THRESHOLD MEASUREMENT AN INSTABILITY, BREAKDOWN AND TRANSITION INSTRUMENTAL PACKAGE FOR HIGH ALTITUDE INSTRUMENTAL CONDITIONS RELATIVES, INSTRUMENTATION AND RECORDING EQUIPM INSTRUMENTATION DEVELOPMENTS INSTRUMENTATION FOR A NEW HIGH FREC INSTRUMENTATION FOR THE MEASUREMENT INSTRUMENTATION SYSTEM, JAN 1965, INSTRUMENTATION, 26 AUG 1963, & THE INSULATOR TRANSITION IN ANTI-FERROMA INSULATORS INDIRECT (AC INTERFEROMETER AS A DISCRIMINATION INTEGRAL EQUATION FOR DIFFRACT IN INTEGRAL EQUATIONS C OF THE WA INTEGRAL EQUATIONS & FOR THE NUMERIC INTEGRAL EQUATIONS FOR THE TEMPERATI INTEGRAL EQUATIONS IN THE SOLUTION INTEGRAL EQUATIONS OF THE CONVOLUTION INTEGRAL EQUATIONS WITH TRIGONOMETRIC INTEGRAL EXPANSIONS IN INHOMOGENEOUS INTEGRAL IN EUS INTEGRAL IN THE REGGE FORMULAR, INTEGRAL METHOD SOLUTIONS OF LAMINAR INTEGRAL METHOD, 10 AUG 1963, OF THE INTEGRAL NORMS OF SUBADDITIVE FUNCTI INTEGRAL RELATIONS & ARISYMETRIC N INTEGRAL REPRESENTATIONS OF AXIALLY INTEGRALS INTEGRALS CONTAINING FUNCTIONS OF INTEGRALS IN BLOCH ELECTRONS, 15 MAY INTEGRALS, ANALYSIS AND DESCRIPTION, INTEGRATED CIRCUITS C AND SYNTHE INTEGRATED LOGIC NETS, 16 JUN 1963, INTEGRATION OF BARATROPIC FLOW ON A INTEGRATION OF CERTAIN PARTIAL DIFFE INTEGRATION OF THE FIRSTORDER PERTU INTEGRAL OF MOTION INTEGRAL & COMMUNICATIONS, AND S INTEGRALS NEW EYE INTELLIGENCE, 15 NOV 1962, THRESH INTENSIFICATION, NOV 1962, & AND W INTENSITIES IN CRYSTAL PROJECTION ST INTENSITIES OF CRYSTAL SPECTRA OF RA & SHAPES, POSITIONS AND CN SPECTRAL LINE INCREASE OF RADIATION DICROTIC TIME AND OF THE EFFECTS OF HIGH - II, THE SLOPE OF THE THE VIBES AT & ABSOLUTE N 20 BANDS OF THE O ₂ & OF THE SPECTRAL - THE EFFECT OF LIGHT ELECTRON BEAMS WITH HIGH SPORT, SEP. 1963, HIGH- PART II, SUPERIMPOSED APR 1963, COSMIC RAY HE COSMIC RAY MIC COSMIC RAY NIC RADIATION, OF SELF-ORGANIZING & QUANTUM THEORY OF ION AND STATISTICS /11/ ATH OF PROTONS AT 3 FEV NONLINEAR NONLINEAR SURFACES, PART II, MEDIA, 10, NONLINEAR FIELDS AND STUDY OF THE LL DEFENATURE OF THE LL DEFENATURE OF THE -DIMENSIONAL MAGNE IC & BY BEANS, D. 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INTERACTIONS, FINAL REPORT, MAR 1961 INTERACTIONS, OCTOBER 1962, C R INTERACTIONS, 11 FEB 1963, & PERIODI DIMENSIONAL, BILATERAL INTERACTIVE METHODS, AUG 1962 & IN I DISPERSEIN THEORY OF INTERARRR TUNNELING IN SH DOPED INTERFEROMETER C OBSERVATIONS WITH INTERFACIAL & PART I, THE ISOLATED W INTERFACIAL BETWEEN THE CONDUCTING INTERFACIAL CHARACTERISTICS AND THE AT INTERFACIAL STUDY, FINAL REPORT, JUNE INTERFACIAL, DEC 1962, THE FIELD O INTERFACIAL, OCT 1962, C A HALF INTERFACES AND IN SOLUTION, FINAL INTERFACIAL TAYLOR INSTABILITY INTERFEROMETER ELECTRON BEAM EXC INTERFEROMETER FOR THE MEASUREMENT O INTERFEROMETRIC PHASING PROBLEMS AT W INTERFEROMETRIC MODULATION ORDER/SE INTERFEROMETRIC SPECTROPHOTEL, OCT INTERFEROMETRIC SPECTROPHOTEL, 1 JUL INTERFEROMETRY AND OPTICAL MASTERS, 2 INTERFEROMETRY, 16 JAN 1963, INTERFERAL METHOD FOR CALCULATING HEA INTERFAL OF THE UNELY TSK, C & J P INTERFAL, 1 MAR 1963, C BOLDY/PRI INTERFAL, A DEFINITION FOR MAGN INTERMEDIATE DISCN STRUCTURES IN INTERMEDIATE COUPLING, NOV 1963, & O INTERMEDIATE IN PHOTOCHEMICALS, SIGN INTERMEDIATE IN THE ALKEN OZONE INTERMEDIATE PHENOMENON C THEORY INTERMEDIATE SUBSTANCES IN CHEMOTRI INTERMEDIATELY STRONG ACIDS AND INTERMEDIATES C SYSTEMS S, S, S, S, S INTERMEDIATES C FROM 3,4-DIMETHYLPHE INTERMEDIATE IN CYCLOPROPANE CHEMIS INTERMEDIATELY COMPLEXES BETWEEN INTERMEDIATELY COMPLEXES BETWEEN LANT INTERNAL PRESS/STRAGHUNG INTERNAL CONSOLE FERMION/OL AND OF INTERNAL CONVERSION COEFFICIENTS OF INTERNAL FAY, FINAL REPORT, FEB 1963 INTERNAL FRICTION AND YOUNGS' MODULU INTERNAL FRICTION OF ALPHA - F2045, INTERNAL POLARIZATION IN ELECTRETR-FO INTERNAL REPRESENTATION & STRUCTURE INTERNAL ROTATION & PROPERTIES, VIR INTERNATIONAL ASTRONOMICAL UNION INTERNATIONAL ASTRONOMICAL SYMPOSI INTERNATIONAL RELATIONS, DEVELOPMENT INTERNATIONAL SUMMER INSTITUTE IN QU INTERNATIONAL SYMPOSIUM ON NONLINEAR INTERNATIONAL SYMPOSIUM ON PHOTOCHEM INTERNATIONAL SYMPOSIUM ON TEMPERATI INTERNUCLEAR SEPARATION, NOV 1963, INTERPERSONAL ATTRACTION, AND ASSUM INTERPERSONAL BEHAVIOR IN THE DYNAM INTERPLANTARY GASES, & ABOVE THE PZC INTERPLANETARY ORBITS, FINAL REPORT, INTERPLANTARY PHYSICS, FINAL REPORT, INTERPRETATION & OPTICAL MODEL POTEN OBS, JUL 1962, CLOUD INTERPRETATION OF ELECTRICAL POTENTI INTERPRETATION OF K VARILES FOR INTERPRETATION OF METEOROLOGICAL INTERPRETATION OF SATELLITE CLOUD INTERPRETATION OF SOME SWEEP-FREQUEN INTERPRETATION OF SUDDEN COMMENCEMEN INTERPRETATION OF SUDDEN COMMENCEMEN INTERPRETATION OF THE SIMULTANEOUS P INTERPRETATIONS AND HEAT BALANCE DET INTERSECTING WITH ONE ANOTHER, 11, INTERSECTION OF FIBROACIC SEQUENCES INTERSTITIAL MOLECULAR HYDROGEN/AR INTERSTITIAL SPACE ON THE POSSIB INITIAL BOUNDARY LAYERS IN OCEANIC INTERVAL IN S-WATER THEORY, CONCER INTERVAL 2-600 RV, 1963, C AND POLYNOMIALS OF R INTERVALS AND GROUPS OF MOTIONS IN A PLANE TRIMINOSCALAR INVARIANTS AND GROUPS OF MOTIONS IN N FIELDS, ASYMPTOTIC INVARIANTS IN SINGULAR COHOMOLOGY, D ELL, 1962 WITH INVERSE DIFFRACTION THEORY, SEP 1962 INVERSE ENZYMIC CHANGES IN NEURONS INVERSE TEMPERATURE PROGRAMMING IN G INVERSE/LOG FUNCTION GENERATING CIRC INVERSION OF EIGENVALUE PROBLEMS, 10 INVERSION OF SPARSE MATRICES INVERSION, AND MODULATION OF OPTICAL INVERSE SHOCK CAP DUE TO BLUNT-BODY INVERSE/RETREATED GUINEA PIG THYROID INITS, TABL, PD200, AND B1200 & SC IODIDE & 2-BEODIPNENT	APOSRJ 765 APOSRJ 979 APOSRJ1353 APOSRJ1064 APOSRJ1370 APOSRJ 4702 APOSRJ 704 AFCL 63 334 AFCL 62 0728 APOSRJ 353 APOSRJ 822 APOSRJ 293 APOSRJ 288 AFCL 63 288 AFCL 63 113 APOSRJ1540 AFCL 62 0961 AFCL 62 1083 APOSRJ1200 APOSRJ 494 APOSRJ 77 APOSRJ 507 AFCL 62 1009 AFCL 63 725 AFCL 63 611 AFCL 63 204 AFCL 63 284 APOSRJ 827 APOSRJ1283 AFCL 63 619 APOSRJ 545 APOSRJ 706 ARL 63 292 APOSRJ1629 APOSRJ 664 APOSRJ1207 APOSRJ1069 APOSRJ 439 APOSRJ 242 APOSRJ 557 APOSRJ 4875 APOSRJ 225 APOSRJ 182 APOSRJ1314 APOSRJ 6639 APOSRJ1084 AFCL 63 620 AFCL 63 662 AFCL 62 0515 APOSRJ 1654 APOSRJ1138 APOSRJ1562 APOSRJ 5040 AFCL 63 513 AFCL 63 657 APOSRJ 5612 ARL 63 096 APOSRJ 6661 APOSRJ1095 AFCL 63 513 AFCL 63 192 APOSRJ 689 APOSRJ1284 AFCL 63 673 APOSRJ 5350 APOSRJ 6209 APOSRJ 336 AFCL 62 0880 APOSRJ1686 AFCL 63 241 AFCL 63 223 APOSRJ 973 AFCL 63 605 AFCL 63 723 AFCL 62 0836 AFCL 63 247 APOSRJ 643 APOSRJ 530 APOSRJ 1168 APOSRJ 49 APOSRJ 130 APOSRJ 18 APOSRJ 855 APOSRJ 77 AFCL 62 0749 APOSRJ 311 APOSRJ 305 APOSRJ 308 APOSRJ 304 AFCL 62 0948 APOSRJ 836 APOSRJ1612 APOSRJ 664 APOSRJ 804 APOSRJ 919 APOSRJ 224 ARL 63 041 APOSRJ1297 ARL 63 060 ARL 63 204 APOSRJ1273 AFCL 62 0740 APOSRJ 647 AFCL 63 040 AFCL 63 186 ARL 63 186 AFCL 63 217 AFCL 63 219 APOSRJ 6399 APOSRJ 67 APOSRJ 591 APOSRJ 701 APOSRJ 647 APOSRJ 675
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6	I IODINE AND ISOPROPYL IODIDE, IN AUG 1963.	APRIL 63 849	96B.	A STUDY OF IONOSPHERIC	APRIL 63 130
7	MERCURY, N-PROPYL IODIDE AND ISOPROPYL IODIDE, IN	APRIL 63 849	UMGENTOUS, ANISOTROPIC	IONOSPHERIC MEDIUM, IN OCT 1962.	APRIL 62 072
8	ELECTRONS IN MOLECULAR	APRIL 62 1007	PROPAGATION STUDIES AT	IONOSPHERIC MODES OF PROPAGATION.	APRIL 63 144
9	CHLORINE, BROMINE, AND	APRIL 63 849	OF APPARENT HORIZONTAL	IONOSPHERIC MOVEMENTS USING 100	APRIL 62 087
10	NEGATIVE IONS OF ATOMIC	APRIL 62 1007	NETWORK MEASUREMENT OF	IONOSPHERIC PATHS AS A TIME-VARYING	APRIL 63 016
11	OF THE HELIUM MOLECULE	APRIL 63 849	REQUIRED FOR AN	IONOSPHERIC PROBE EXPERIMENT, 1 SEP	APRIL 62 100
12	1 AUG 1963.	APRIL 62 1007	PROGRAMMING STUDIES FOR	IONOSPHERIC RAY TRACING, 8 OCT 1962.	APRIL 63 110
13	N-REDUCTION EFFECTS OF	APRIL 63 849	DEPARTMENT OF DEFENSE	IONOSPHERIC RESEARCH FACILITY, VIL,	APRIL 63 176
14	H ₂ AND OTHER NEGATIVE	APRIL 63 849	RAVISING A HOMOGENEOUS	IONOSPHERIC SLAB, 20 FEB 1963.	APRIL 63 009
15	COSMOGRAPHIC STUDIES WITH	APRIL 63 225	FLUCTUATIONS OF	IONOSPHERICALLY REFLECTED 60 MC/S	APRIL 62 0816
16	PRODUCED BY CARBON	APRIL 63 849	ABSORPTION BY A PAIR OF	IONS.	APRIL 63 136
17	OF ELECTRON AND	APRIL 63 201	D SPECTRA OF RARE-EARTH	IONS.	APRIL 63 103
18	CHARGE TRANSFER,	APRIL 63 708	D SPECTRA OF RARE-EARTH	IONS.	APRIL 62 132
19	A TIME-OF-FLIGHT	APRIL 63 722	EFFECTS OF GASEOUS HALO-	GENS AND HALOGEN ELECTRON AFFINITIES	APRIL 63 244
20	AND IDENTIFICATION OF	APRIL 63 707	IONS BY MUSCULAR TISSUE: THE UPTAKE	OF IONOSPHERICALLY REFLECTED 60 MC/S	APRIL 62 100
21	COORDINATION KINETICS BY	APRIL 63 171	IONS DERIVED FROM RIES' 72.2	DEPHENYLATED VIBRATOR AS A SOURCE OF	APRIL 63 633
22	ORPTION BY THE TITANIUM	APRIL 63 107	IONS FOR MASS SPECTROSCOPY & VACUUM	RES. SOURCE OF THERMAL	APRIL 63 659
23	A ADSORBED ATOMS IN THE	APRIL 63 379	IONS FOR USE IN GASES AT HIGH PRESSU-	RE CHEMISTRY OF POSITIVE	APRIL 63 457
24	IMPERFECTIONS BY FIELD	APRIL 63 295	ENERGY & RANGE OF IONS	IN ALUMINUM AND TUNGSTEN IN THE	APRIL 63 455
25	STUDIES OF POSITIVE	APRIL 63 287	LEVELS OF MAGNETIC	IONS IN CRYSTALLINE ELECTRIC FIELDS.	APRIL 63 160
26	HYDROGEN AND D ₂ &	APRIL 63 295	ION MOBILITY IN NEUTRAL	IONS IN LIQUID AR, KR, Xe & HELIUM	APRIL 63 178
27	EMELLIEN AND ELECTRON	APRIL 63 295	ION MOTILITY IN LIQUID AR, KR, AND	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
28	LE FROM A DUPLAS/PLASMA	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
29	INTERACTION OF NEUTRAL	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
30	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
31	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
32	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
33	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
34	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
35	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
36	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
37	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
38	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
39	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
40	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
41	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
42	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
43	OF EFFECTS ON	APRIL 63 295	ION SOURCES WITH GAS CHARGE EXCHANGE	ION MOVEMENTS IN MARSHALLAN CEREBRAL	APRIL 63 103
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AFCLR 63 3018
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AFCLR 63 130
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AFCLR 63 506
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AFOSRJ 232
AFCLR 62 0789
AFCLR 63 016
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AFCLR 63 875
AFOSRJ 112
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